



DAYANANDA SAGAR UNIVERSITY

COLLEGE OF NURSING SCIENCES

**1.1.3 Average percentage of courses
having focus on employability/
entrepreneurship/ skill development**

Principal
PRINCIPAL
College Of Nursing Sciences
DAYANANDA SAGAR UNIVERSITY
Harohalli, Karnataka-562112

SEMESTER/YEAR : IV YEAR
COURSE CODE :16NS401
TITLE OF THE COURSE : **MIDWIFERY AND OBSTETRICAL NURSING**
L: T/A:P: C : 90 :2 : 180 : 0

COURSE OBJECTIVES :

1. To appreciate the concepts and principles of midwifery and obstetrical nursing.
2. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant women during antenatal, natal and post-natal periods in hospitals and community settings.
3. It also helps to develop skills in managing normal & high risk neonates & participate in family welfare programme.

COURSE OUTCOMES:

1. Recognize the trends & issues in midwifery and obstetrical nursing
2. Describe the anatomy & physiology of female reproductive system
3. Describe the diagnosis & management of women during antenatal period.
4. Explain the physiology and stages of labour
5. Describe the management of women during intra-natal period
6. Describe the physiology of puerperium
7. Identify the management of women during post-natal period
8. Describe the Identification and management of women with high risk pregnancy
9. Describe management of abnormal labour and obstetricalemergencies
10. Describe management of post-natal complications
11. Identify the high risk neonates and their nursing management
12. Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers
13. Appreciate the importance of family welfare programme
14. Describe the methods of contraception & role of nurse in family welfare programme

UNIT – 1

3 Hrs

Introduction to midwifery and obstetrical Nursing : Introduction to concepts of midwifery and obstetrical Nursing, Trends in midwifery and obstetrical nursing, Historical perspectives and current trends, Legal and ethical aspects, Pre-conception care and preparing for parenthood, Role of nurse in midwifery and obstetrical care, National policy

and legislation in relation to maternal health & welfare, Maternal, morbidity, mortality and fertility rates, Perinatal, morbidity and mortality rates

UNIT – 2

8 Hrs

Review of anatomy & physiology of female reproductive system :Review of anatomy & physiology of female reproductive system and foetal development : Female pelvis- general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape ,Female organs of reproduction - external genitalia, internal genital organs and their anatomical relations, musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum ,Physiology of menstrual cycle ,Human sexuality, Fetal development, Conception, Review of fertilization, implantation (embedding of the ovum), development of the embryo & placenta at term functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord, Foetal circulation, foetal skull, bones, sutures, and measurements, review of Genetics.

UNIT – 3

8 Hrs

Assessment and management of pregnancy (ante-natal): Assessment and management of pregnancy (ante-natal):Normal pregnancy, Physiological changes during pregnancy, Reproductive system, Cardio vascular system, Respiratory system, Urinary system, Gastro intestinal system, Metabolic changes, Skeletal changes, Skin changes, Endocrine system, Psychological changes, Discomforts of pregnancy, Diagnosis of pregnancy, Signs, Differential diagnosis, Confirmatory tests, Ante-natal care, Objectives, Assessment ;History and physical examination, Antenatal Examination ,Signs of previous child- Relationship of foetus to uterus and pelvis : Lie, Attitude, Presentation, Position, Per vaginal examination, Screening & assessment for high risk;, Risk approach, History and Physical Examination, birth ,Modalities of diagnosis; Invasive & Non-Invasive, ultrasonics, cardiotomography , NST, CST, Antenatal preparation, Antenatal counseling ,Antenatal exercises, Diet, Substanceuse ,Education for child-birth, Husband and families, Preparation for safe-confinement. Prevention from radiation,Psycho-social and cultural aspects of pregnancy ,Adjustment to pregnancy, Unwed mother, Single parent, Teenage pregnancy, Sexual violence, Adoption

UNIT – 4

12Hrs

Assessment and management of intra-natal period : Assessment and management of intra-natal period : Physiology of labour, mechanism of labour, Management of labour, First stage ;Signs and symptoms of onset of labour; normal & abnormal, Duration, Preparation of: Labour room, Woman, Assessment & observation of women in labour ; partogram – maternal and foetal monitoring ,Active management of labour, Induction of labour, Pain relief and comfort in labour, Second stage ;Signs and symptoms; normal & abnormal, Duration, Conduct of delivery, principles and techniques, Episiotomy ,Receiving the new born ,Neonatal resuscitation ; initial steps and subsequent resuscitation, Care of umbilical cord ,Immediate assessment including screening for congenital anomalies, Identification, Bonding ,Initiate feeding Screening and transportation of the neonate. Third stage: Signs and symptoms; normal & abnormal, Duration, Method of placental expulsion, Management; Principles and techniques, Examination of the placenta, Examination of perineum, Maintaining records and reports, Fourth Stage

UNIT – 5

5 Hrs

Assessment and management of women during post-natal period : Assessment and management of women during post-natal period: Normal puerperium; Physiology Duration ,Postnatal assessment and management ,Promoting physical and emotional well-being ,Lactation management, Immunization, Family dynamics after child-birth, Family welfare services; methods, counselling ,Follow-up, Records and reports

UNIT-6

6 Hrs

Assessment and management of normal neonates : Assessment and management of normal neonates:Normal Neonate:Physiological adaptation,Initial & Daily assessment, Essential newborn care ; Thermal control, Breast feeding, prevention of infections, Immunization, Minor disorders of newborn and its management, Levels of Neonatal care (level I, II, & III),At primary, secondary and tertiary levels, Maintenance of Reports and Records

UNIT – 7

10 Hrs

High-risk pregnancy-assessment & management High-risk pregnancy-assessment & management:Screening and assessment: Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive, Newer modalities of diagnosis, High –risk approach, Levels of care; primary, secondary & tertiary levels .Disorders of pregnancy :Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic Pregnancy, vesicular mole, Ante-partum haemorrhage, Uterine abnormality and displacement, Diseases complicating pregnancy, Medical and surgical conditions, Infections, RTI(STD), UTI, HIV, TORCH ,Gynaecological diseases complicating pregnancy, Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios, Rh incompatibility, Mental disorders, Adolescent pregnancy, Elderly primi and grand multipara, Multiple pregnancy ,Abnormalities of placenta & cord ,Intra-uterine growth-retardation, Nursing management of mothers with high-risk pregnancy, Maintenance of Records and Report

UNIT -8

10 Hrs

Abnormal Labour – assessment and management :Disorders in labour, CPD and contracted pelvis ,Malpositions and malpresentations, Premature labour, disorders of uterine actions-precipitate labour, prolonged labour, Complications of third stage: injuries to birth canal, Obstetrical procedures and operations; Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstretical shock, Obstetrical procedures and operations; Induction of labour, forceps, vacuum version, manual removal of placenta, caesareansection, destructive operations, Nursing management of women undergoing Obstetri-cal operations & procedures

UNIT – 9

4 Hrs

Abnormalities during Postnatal Periods: Assessment and management of women with postnatal complications , Puerperial infections, breast engorgement & infections, UTI, thrombo- Embolic disorders, post-partum haemorrhage, Eclampsia & subinvolution,

Psychological complications: Post partum Blues, Postpartum Depression, Postpartum Psychosis

UNIT-10

10 Hrs

Assessment and management of High risk newborn: Admission of neonates in the neonatal intensive care units- protocols, Nursing management of Low birth weight babies, Infections, Respiratory problems, haemolytic disorders, Birth injuries, Malformations, Monitoring of high risk neonates, Feeding of high risk neonates, Organisation & management of neonatal intensive care units, Infection control in neonatal intensive care units, Maintenance of reports and records

UNIT -11

4 Hrs

Pharmaco-therapeutics in obstetrics: Indication, dosage, action, contra indication & side effects of drugs ,Effect of drugs on pregnancy, labour & puerperium, Nursing responsibilities in the administration of drug in Obstetrics – oxytocins, antihypertensives, diuretics, tocolytic agents, anti-convulsants; Analgesics and anesthetics in obstetrics Effects of maternal medication on foetus & neonate

UNIT-12

10 Hrs

Family Welfare Programme: Population trends and problems in India ,Concepts, aims, importance & history of family welfare programme, National Population: dynamics, policy & education, National family welfare programme; RCH, ICDS, MCH Safe motherhood, Organization & administration at national, state, district, block and village levels ,Methods of contraception; spacing, temporary & permanent, Emergency contraception ,Infertility and its management, Counseling for family welfare, Latest research in contraception, Maintenance of vital statistics, Role of national, international & voluntary organizations, Role of a nurse in family welfare programme, Training/Supervision/Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant- Dai)

TEXT BOOKS:

1. Bennet V Ruth & Brown K Linda, Myles Text Book for Midwives, ELBS, Churchill Livingstone, 2004.
2. Dutta D.C, Text Book of Obstetrics, 6th edition, New Central Agency, Calcutta, 2001.
3. Dutta D.C, Text Book of Gynaecology, 6th edition, New Central Agency, Calcutta, 2004.
4. Alexandert.J.O, Midwifery practice care Topics, 1st edition, Macmilan, London, 1996.
5. Ann Page L, The New Midwifery science & sensitive in practice, 1st edition, Churchill, Toronto, 2000.

REFERENCE BOOKS:

1. James David k, High risk pregnancy management option, 2nd edition, W.B.Saunders, London, 1999.
2. Buckley Kathleen and Kulb Nancy W, High Risk Maternity Nursing Manual, Williams & Wilkin, Philadelphia, 1993.

3. KargarIshbel Ed,Challenges in the midwifery care,1st edition,Macmilan,London,1997.
4. Welford Heather,A Marshall Health guide pregnancy,1st editionMarshall Pub,London,1998.
5. Lee Richard V.Ed,Medical Care of the pregnant patient,1stedition, American college ,Philadelphia,2000.

SEMESTER/YEAR : IV YEAR
COURSE CODE :16NS402
TITLE OF THE COURSE : **COMMUNITY HEALTH NURSING-II**
L: T/A:P: C : 90 :2 : 0 : 0

COURSE OBJECTIVES :

For students to practice Community Health Nursing for the individual, family and groups at both urban and rural settings by using concept and Principles of Health and Community Health Nursing

COURSE OUTCOMES:

1. Define, concepts scope, principle sand historical development community health and community health nursing
2. Describe health plans, policies various health committees and health problems in India
3. Describe the system of delivery of community health services in rural and urban
4. Explain the components of health services
5. Describe community health nursing approaches, concepts and responsibilities of nursing personnel
6. Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health
7. Describe National health programmes, various health schemes, family welfare programmes and role of nurse
8. Explain the roles and functions of various national and international health agencies.

UNIT-1

4 Hrs

Introduction: Definition, concept and scope of Community Health and Community Health Nursing, Role of community health Nursing, Historical development of Community Health, Community Health Nursing; Pre-independence, Post-independence.

UNIT -2

6 Hrs

Health planning and policies and problems: National Health planning in India – 5 year plans Various committees and commissions on health and family welfare; Central council for health and family welfare (CCH and FW) ,National Health Policies (1983, 2002)National Population policy, Health problems in India.

UNIT -3

15 Hrs

Delivery of Community Health Services: Planning, Budgeting and material management of SCs, PHC, CHC and Dist Hospital, Rural; Organization, staffing and functions of Rural Health Services provided by Govt. at ; Village, Sub centre, Primary Health Centre, Community Health Centre/Sub divisional , Hospitals, District, State, Centre Urban; Organization, staffing and functions of urban health services provided by Govt. at : Slum, Dispensaries, Maternal and child health centres, Special clinics, Hospitals, Corporation /Municipality/Board. Components of Health Services; Environmental sanitation, Health Education, Vital statistics, MCH – Antenatal, Natal, Postnatal, MTP act, female foeticide act, child adaptation act. Family welfare, National Health programmes, School Health Services, Occupational Health, Defence services, Institutional services, Systems of medicine and health care; Allopathy, Indian system of medicine and Homeopathy, Alternative health care systems like Ayurveda, yoga, unani, siddha, meditation, social and spiritual healing etc, Referral system.

UNIT – 4

25 Hrs

Community Health Nursing approaches, concepts and roles and responsibilities of Nursing Personnel: Approaches: Nursing Theories and Nursing process, Epidemiological approach, Problem solving approach, Evidence based approach. Empowering people to care for themselves. Concepts of Primary Health Care; Equitable distribution, Community participation, Focus on prevention, Use of appropriate technology, Multi-sectoral approach, Roles and responsibilities of Community Health Nursing personnel in Family Health services, Information education communication (IEC), Management information system (MIS); Maintenance of records and reports, Training and supervision of various categories of health workers. National Health programmes, Environmental sanitation, Maternal and child health and family welfare, Treatment of minor ailments ,School Health services, Occupational Health, Organisation of clinics, camps, types, preparation, planning, conduct and evaluation, Waste management in the centre, clinics etc, Home visit; concept, principles, process techniques, bag technique home visit, Quantities of community health nurse, Job description of community Health Nursing personnel

UNIT -5

15 Hrs

Assisting individuals and groups to promote and maintain their health: Empowerment for self care of individuals, families and groups in -

- A. Assessment of self and family; Monitoring growth and development, Mile stones, Weight measurement, Social development, Temperature and Blood pressure monitoring, Menstrual cycle, Breast self-examination and testicles, Warning Signs of various diseases, Tests: Urine for sugar and albumin, blood sugar
- B. Seek health services for Routine checkup, Immunization, Counseling, Diagnosis, Treatment, and Follow up
- C. Maintenance of health records for self and family; Family folder, Immunization card etc
- D. Continue medical care and follow up in community for various diseases and disabilities Communicable diseases like tuberculosis, leprosy, typhoid, swine flu etc, Non Communicable diseases like HT, DM, Cancer, etc
- E Carryout therapeutic procedures as prescribed / required for self and family
- F. Waste Management; Collection and disposable of waste at home and community

small scale and large scale method of disposal of waste

G. Sensitize and handle social issues affecting health and development for self and family; Women Empowerment, Women and child abuse, Abuse of elders, Female Feticide, Commercial sex workers, Food adulteration, Substance abuse, Alcoholism

H. Utilize community resources for self and family; Trauma service, Old age homes, Orphanage, Homes for physically and mentally challenged individuals, Homes for destitute

UNIT -6

20 Hrs

National health and family welfare programmes and the role of a nurse: National ARI programme, Revised National Tuberculosis Control Programme (RNTCP), National Anti-Malaria programme, National Filaria control programme, National Guinea worm eradication programme, National Leprosy eradication programme, National AIDS control programme STD control programme, National programme for control of blindness, Iodine deficiency disorder programme, Expanded programme on immunization, National Family Welfare Programme – RCH Programme historical development, organization, administration, research, constraints, National water supply and sanitation programme, Minimum Need programme, National Diabetics control programme, Polio Eradication: Pulse Polio Programme, National Cancer Control Programme, Yaws Eradication Programme, National Nutritional Anemia Prophylaxis programme, 20 point programme, ICDS programme, Mid-day meal applied nutritional programme, National mental health programme, National Rural Health Mission

Health Schemes: ESI, CGHS, Health insurance

UNIT – 7

5 Hrs

Health Agencies: International– WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE, BRICS etc, National – Indian Red Cross, Indian council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kush Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.

TEXT BOOKS:

1. Park .k, Social and Preventive Medicine ,18 edition, Bannott Publishers ,2005.
2. Rao S. Kasthi, an Introduction to Community Health Nursing, 3rd edition, B. I. Publishers, Chennai, 2000.
3. Stanhope, Community Health Nursing, 1st edition, Mosby, Philadelphia, 2008.

REFERENCE BOOKS:

1. Huntroberta, Introduction to community based, 2nd edition, Lippincott, Philadelphia, 2001.
2. Clemenstone, susan, Comprehensive community Health Nursing, 8th edition, B.I Waverly, New Delhi, 1998.

SEMESTER/YEAR : IV YEAR
COURSE CODE :16NS403
TITLE OF THE COURSE : **NURSING MANAGEMENT**
L: T/A:P: C : 60 :2 : 30 : 0

COURSE OBJECTIVES :

Designed to enable students to acquire understanding of management of clinical and community health nursing services ,nursing educational programmes.This is also designed to enable students to acquire understanding of the professional responsibilities,prospects and contribution to the growth of the profession.

COURSE OUTCOMES:

1. Explain the principles and functions of management
2. Describe the elements and process of management
3. Describe the management of nursing services in the hospital and community
4. Describe the concepts, theories and techniques of organizational behaviour and human relations
5. Participate in planning and organizing inservice education programme
6. Describe management of Nursing Educational institutions
7. Describe the ethical and legal responsibilities of a professional nurse
8. Explain the nursing practice standards
9. Explain the various oppurtunities for professionsl advancements

UNIT -1

4 Hrs

Introduction to management in nursing: Definition, concepts and theories, Functions of management, Principles of Management, Role of Nurse as a manager

UNIT -2

5 Hrs

Management Process: Planning; mission, philosophy, objectives, operational plan, Staffing; Philosophy, staffing study, norms, activities, patient, classification systems, scheduling, Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc, Budgeting: concept, principles, types, cost benefit analysis, audit, Material management; equipment and supplies, Directing process (Leading), Controlling; Quality management, program Evaluation Review Technique (PERT) , Bench marking, Activity Plan (Gantt Chart)

UNIT -3**8 Hrs**

Management of nursing services in the hospital and Community: Planning; Hospital and patient care units including ward management, Emergency and disaster management, Human resource management; Recruiting, selecting, deployment, retaining, promoting, superannuation etc., Categories of nursing personnel including job description of all levels, Patient /population classification systems, Patients/population assignment and Nursing care responsibilities, Staff development and welfare, Budgeting; proposal, projecting requirements for staff, equipment and supplies for Hospital and patient care units, Emergency and disaster management, Material Management: procurement, inventory control, auditing and maintenance in Hospital and patient care units, Emergency and disaster management, Directing and leading; delegation, participatory management, Assignments, rotations, delegations, Supervision & guidance, Implement standards, policies, procedures and practices, Staff development and welfare, Maintenance of discipline, Controlling / Evaluation; Nursing Rounds/visits, Nursing protocols, Manuals, Quality Assurance Model, documentation-Records and report, Performance appraisal

UNIT -4**5 Hrs**

Organizational behaviour and human relations: Concepts and theories of organizational behaviours, Review of Channels of communication, Leadership styles, Review of Motivation; concepts and theories, Group dynamics, Techniques of Communication; and Interpersonal relationships, Human relations, Public relations in context of nursing ,Relations with professional associations and employee unions and Collective bargaining

UNIT -5**5 Hrs**

In Service education: Nature & scope of in -service education program, Organization of in-service education, Principles of adult learning, Planning for in-service education program, techniques, methods and evaluation of staff education program, Preparation of report

UNIT -6**10 Hrs**

Management of nursing educational institutions: Establishment of Nursing educational institution-INC norms and guidelines Co-ordination with-Regulatory bodies, Accreditation, Affiliation: Philosophy/objectives, Organization: Structure, Committees, Physical facilities, College/School, Hostel, Students, Selection, Admission, Guidance and Counseling, Maintaining discipline, Faculty and staff: Selection, Recruitment, Job description, Placement, Performance appraisal, Development and welfare, Budgeting, Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc., Curriculum; Planning, implementation and evaluation, Clinical facilities, Transport facilities, Institutional Records and reports –Administrative, faculty, staff and students.

UNIT -7**10 Hrs**

Nursing as a Profession: Nursing as a profession: Philosophy; nursing practice, Aims and objectives, Characteristics of a professional nurse; Regulatory bodies; INC, SNC Acts; - Constitution, functions, Current trends and issues in Nursing ,Professional ethics: Code of ethics; INC, ICN, Code of professional conduct; INC, ICN, Practice standards for Nursing; INC, Consumer protection Act, Legal aspects in Nursing: Legal terms related to practice;

registration and licensing, Laws related to Nursing practice, Breach and Penalties, Malpractice and negligence

UNIT -8

3 Hrs

Professional Advancement: Continuing education, Career opportunities, Collective bargaining, Membership with professional organization; National and International, Participation in research activities, Publications; Journals, newspapers etc

TEXT BOOKS:

1. Gillbert, J.J, Educational Hand Book for Health Personnel WHO, Geneva, 1981.
2. Hedgerken Loretta E, Teaching and Learning in School of Nursing, J.B. Lippincott Co., New Delhi, 1987.

REFERENCE BOOKS:

1. Tomyay de Rheba, Thompson, Strategies for Teaching Nursing, Willey Medical Publisher, New York, 1982.
2. Awasthi&Maheshwari,Public administration,Aggrawal educational, Agra, 1996.
3. Kunderi G.D,Hospital planning design & management,Tata mcgrawHill,new Delhi,1998.

SEMESTER/YEAR : IV YEAR
COURSE CODE :16NS471
TITLE OF THE COURSE : **MIDWIFERY AND OBSTETRICAL NURSING (P)**
L: T/A:P: C : 0 :0 : 180 : 0

COURSE OBJECTIVES :

It is structured to conduct/participate in need based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for Practical will be utilized for conducting Individual / group research project

COURSE OUTCOMES:

1. Assessment of pregnant women
2. Assess women in labour
3. Carry out per-vaginal examinations
4. Conduct normal deliveries
5. Perform episiotomy & suture it
6. Resuscitate newborns
7. Assist with Caesarean Sections, MTP and other surgical procedures
8. Providing nursing care to post-natal mother & baby
9. Counsel & teach mother & family for parenthood
10. Provide nursing care to newborn at risk
11. Counsel for and provide family welfare services

Clinical skills:

- Antenatal history taking
- Physical examination
- Recording of Weight & B.P.
- Hb& Urine testing for sugar and albumin
- Antenatal examination-abdomen and breast
- Immunization
- Assessment of risk status
- Teaching antenatal mothers
- Maintenance of Antenatal records
- Assessment of women in labour
- Pervaginal examinations & interpretation
- Monitoring & caring of woman in labour
- Maintenance of partograph
- Conduct normal delivery

- Newborn assessment & immediate care
- Resuscitation of newborns
- Assessment of risk status of newborn
- Episiotomy & suturing
- Maintenance of labour & birth records
- Arrange for & assist with Caesarean section and care for woman & baby during Caesarean
- Arrange for and assist with MTP and other surgical procedures
- Examination and assessment of mother and baby
- Identification of deviations
- Care of postnatal mother and baby
- Perineal care
- Lactation management
- Breast feeding
- Baby bath
- Immunization,
- Teaching postnatal mother:
 - Mother craft
 - Post-natal care &
 - Exercises
 - Immunization
- Newborn assessment
- Admission of neonates
- Feeding of at risk neonates
 - Katori spoon, paladi, tube feeding, total parenteral nutrition
- Thermal management of neonates-kangaroo mother care, care of baby in incubator
- Monitoring and care of neonates
- Administering medications
- Intravenous therapy
- Assisting with diagnostic procedure
- Assisting with exchange transfusion
- Care of baby on ventilator
- Phototherapy
- Infection control protocols in the nursery
- Teaching & counselling of parents
- Maintenance of neonatal records
- Counselling technique
- Insertion of IUD
- Teaching on use of family planning methods
- Arrange for & Assist with family planning operations
- Maintenance of records and reports

Sl. no	Department	Total no of weeks
1.	Antenatal clinic/OPD	01 week
2.	Labour room OT	02 week
3.	Post natal Ward	01 week
4.	Newborn Nursery	01 week
5.	Family planning Clinic	01 week

Total Hours-06weeks x 05 days x 06 hours=180 hours

SEMESTER/YEAR : IV YEAR
COURSE CODE :16NS472
TITLE OF THE COURSE : **COMMUNITY HEALTH NURSING – II (PRACTICAL)**
L: T/A:P: C : 0 :0 : 135 : 0

COURSE OBJECTIVES:

For students to practice Community Health Nursing for the individual, family and groups at both urban and rural settings by using concept and Principles of Health and Community Health Nursing

COURSE OUTCOMES:

1. Identify Community Profile
2. Identify prevalent communicable and non-communicable diseases
3. Diagnose health needs of individual, families and community
4. Plan, provide and evaluate care
5. Participate in School Health Program
6. Participate in National Health programs
7. Organize group for self-help and involve clients in their own health activities
8. provide family welfare services
9. Counsel and educate individual, family and community
10. Collect vital health statistics
11. Maintain records and reports

Clinical skills:

- * Community Health Survey
- * Community diagnosis
- * Family care: Home adaptation of common procedures
- * Home visit: bag technique
- * Organize and conduct clinicals – antenatal, postnatal, well baby clinic, camps etc.
- * Screen manage and referrals for:
 - High risk mothers and neonates
 - Accidents and emergencies
 - Illness : Physical and mental
 - Disabilities

- * Conduct delivery at Centre/home: Episiotomy and suturing
- * Resuscitate new born
- * School Health programme
 - Screen, manage, refer children
- * Collaborate with health and allied agencies
- * Train and supervise health workers
- * Provide family welfare services: Insertion of IUD
- * Counsel and teach individual, family and community about: HIV, TB, Diabetics, hypertension, mental health, adolescents, elderly health, physically and mentally challenged individuals etc.
- * Collect and Calculate Vital health statistics
- * Document and maintain
 - Individual, family and administrative records.
 - Write reports-center, disease, national health programme/projects

Sl. no	Department	Total no of weeks
1.	Urban Area	02 week
2.	Rural Area	02.05week

Total hours-4.5 weeks x 05 days x 06 hours=135 hours

SEMESTER/YEAR	: I YEAR
COURSE CODE	: 16PB101
TITLE OF THE COURSE	: BIOCHEMISTRY (Section A)
L: T/A:P: C	: 30 :2 : 15: 0

COURSE OBJECTIVES: To assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alteration in biochemistry in diseases for practice of nursing.

COURSE OUTCOMES:

1. Identify the basic principles of Biochemistry
2. Describe functions of water
3. Explain the metabolism of Enzyme
4. Explain the metabolism of carbohydrates, proteins and fat

UNIT -1 **3 Hrs.**

Introduction: Importance of Biochemistry in nursing, Study of cell and its various components.

UNIT -2 **5 Hrs.**

Water and Electrolytes: **Water-** Sources, property & functions in human body. Water and fluid balance. Electrolytes of human body, functions, sources.

UNIT -3 **5 Hrs.**

Enzymes: Mechanism of action, Factors affecting enzyme activity, Diagnostic applications, Precautions for handling specimens for enzyme estimation, Digestion and absorption of carbohydrates, proteins and fats, Various factors influencing the digestion & absorption, mal-absorption syndrome.

UNIT -4 **5 Hrs.**

Carbohydrates: Catabolism of carbohydrates for energy purposes. Mitochondrial oxidation and oxidation phosphorylation, Fats of glucose in the body. Storage of glucose in the body, glycogenesis, glycogenolysis and neoglucogenesis, blood glucose and its regulation, Glucose tolerance test, hyperglycemia, hypoglycemia, glycemia

UNIT -5 **4 Hrs.**

Protein: Amino acids, hormones, Essential amino acids. Biosynthesis of protein in the cells, Role of nucleic acid in protein synthesis, Nitrogenous constituents of Urine, Blood, their origin - urea cycle, uric acid formation, gout, Plasma proteins and their functions.

UNIT -6 **4 Hrs.**

Fat: Biosynthesis of fats and storage of fats in the body, Role of liver in fat metabolism Biological importance of important lipids and their functions, Cholesterol and lipoprotein,

sources, occurrence and distribution, blood level and metabolism, Ketone bodies and utilization, Inter-relationships in metabolism and cellular control of metabolic processes.

UNIT -7

4 Hrs.

Biomedical Waste Management: Liquid waste generated from laboratory, Chemical waste.

TEXT BOOKS:

1. Shivananda nayak .B Essential of biochemistry ,2nd edition jaypee,New Delhi.2015
2. V k Malhotra ,Biochemistry for students ,12th edition jaypee, New Delhi, 2015
3. Pankaja naik,essentials of biochemistry for students ,1stedition,jaypee, New Delhi, 2015

REFERENCE BOOKS:

1. Vasudevanetal, biochemistry for medical students, 2nd edition, jaypee, Bangalore, 2015.
2. Chattergea and shinde, text book of medical biochemistry, 8th edition, jaypee, Bangalore, 2015.

SEMESTER/YEAR	: I YEAR
COURSE CODE	: 16PB102
TITLE OF THE COURSE	: BIOPHYSICS (Section B)
L: T/A:P: C	: 30 :2 : 0 : 0

COURSE OBJECTIVES: To assess the students to acquire the knowledge the of biological science by a combination of truly state of the art physical measurements with modern molecular biology.

COURSE OUTCOMES:

1. Identify the basic principles of Biophysics.
2. Explain the concept of imaging techniques.
3. Synthesize the knowledge of these principles in various Nursing situations.

UNIT -1 **2 Hrs.**
Introduction: Concepts of unit and measurements, Fundamental and derived units, Units of length, weight, mass, time.

UNIT -2 **2 Hrs.**
Vector and scalar motion: Speed, velocity and acceleration

UNIT -3 **2 Hrs.**
Gravity: Specific gravity, center of gravity, principles of gravity, Effect of gravitational forces on human body, Application of principles of gravity in nursing.

UNIT - 4 **3 Hrs.**
Force, Work, Energy : Their units of measurement, Type and transformation of energy, forces of the body, static forces, Principles of machines, friction and body mechanics, Simple mechanics - lever and body mechanics, pulley and traction, including plane, screw, Application of these principles in nursing

UNIT - 5 **4 Hrs.**
Heat: Nature, measurement, transfer of heat, Effects of heat on matter, Relative humidity, specific heat, Temperature scales, Regulation of body temperature, Use of heat for sterilization, Application of these principles in nursing

UNIT -6 **3 Hrs.**
Light : Laws of reflection, Focusing elements of the eye, defective vision and its correction, use of lenses, Relationship between energy, frequency and wavelength of light, Biological effects of light, Use of light in therapy, Application of these principles in nursing

UNIT -7**3 Hrs.**

Pressures: Atmospheric pressure, hydrostatic pressure, osmotic pressure, Measurements of pressures in the body, Arterial and venous blood pressures, ocular pressure, intracranial pressure, Applications of these principles in nursing.

UNIT -8**3 Hrs.**

Sound: Frequency, Velocity and Intensity Vocalization and hearing. Noise pollution and its Prevention, Use of ultrasound. Application of these principles in nursing.

UNIT -9**3 Hrs.**

Electricity and Electromagnetism: Nature of Electricity. Voltage, Current, Resistance and their Units, Flow of electricity in solids, electrolytes, gases and vacuum., Electricity and human body, ECG, EEG, EMG, ECT, Pace makers and defibrillation , Magnetism and electricity, M.R.I. Scanning, CAT Scan

UNIT - 10**3 Hrs.**

Atomic Energy: Structure of Atom, Isotopes and Isobars. Radioactivity: Use of radioactive isotopes, Radiation protection units and limits, Instruments used for detection of Ionizing radiation, X-rays.

UNIT - 11**2 Hrs.**

Principles of Electronics: Common electronic equipment used in patient care

TEXT BOOKS:

1. Suresh k Sharma, biophysics in nursing, 1st edition, Jaypee, New Delhi, 2012.
2. Suresh k Sharma, text book of biochemistry and bio physics for nurses, 2nd edition, jaypee, New Delhi, 2013
3. Thayalank, biomedical physics for nurses, 1st edition jaypee ,New Delhi, 2013

REFERENCE BOOKS:

1. Joerosen, lisa Quinn gothard, encyclopedia of physical science, info base publishing, 2009.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16PB103
TITLE OF THE COURSE : **NUTRITION AND DIETETICS**
L: T/A:P: C : 30 :2 : 15 : 0

COURSE OBJECTIVES : To provide the students with a wide knowledge of dietetics in Indian setting, that the practice of teaching optimum and realistic dietary planning can become an integral part of nursing practice.

COURSE OUTCOMES:

1. Explain the principles and practices of nutrition and dietetics.
2. Plan therapeutic diets in different settings.
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules.
5. Describe various national programmes related to nutrition
6. Describe the role of nurse in assessment of nutritional status and nutrition education

UNIT -1 **5 Hrs.**

Introduction to nutrition and dietetics : Balanced diet, factors on which it depend, Factors to be considered in planning, Guides available for planning, Food Hygiene, preparation and preservation, Review of nutrients - micro & macro.

UNIT - 2 **5 Hrs.**

Introduction to diet therapy : Routine hospital diets, Therapeutic diet under each unit i.e. Cardiovascular diseases, Gastrointestinal diseases, Renal disorders, Endocrine and metabolic disorders, Allergy, Infections and fevers, Pre and post-operative stage, Deficiency diseases and malnutrition, overweight and underweight.

UNIT -3 **10 Hrs.**

Infant and child Nutrition: Feeding of normal infants, factors to be considered in planning, nutritional requirements, Feeding of premature infants: factors to be considered in planning, nutritional requirements, Supplementary feeding of infants: Advantage and method of introduction, Weaning, effects on mother and child, Psychology of infant and child feeding, Feeding the sick child. Diet in diseases of infancy and childhood, Deficiency states - malnutrition and under nutrition, Feeding pre-school child: nutritional needs, factors to be considered in planning diets. Problems in feeding, School lunch programme: Advantages, Need in India.

UNIT - 4

10 Hrs.

Community Nutrition: Need for community nutrition programme, Nutritional needs for special groups: infant, child, adolescent, pregnant woman, lactating mother and old people, Substitutes for non-vegetarian foods, Selection of cheap and nutritious foods. Nutrition education needs and methods, Methods of assessing nutritional status of individual! Group / community, Current nutritional problems and national programmes.

TEXT BOOKS:

1. Anthikad, Nutrition and biochemistry for nurses, 12th edition, Jaypee Publishers, New Delhi, 2014.
2. Swaminathan M, Essentials of Food and Nutrition, 2nd edition, Bangalore Printing, Bangalore, 2003.
3. Indrani, Nursing Manual of Nutrition and Therapeutic Diet, 1st edition, Jaypee Publishers, New Delhi, 2003

REFERENCE BOOKS:

1. Roth, Ruth A, Nutrition and Diet Therapy, 8th Edition, Thomson Publishers, Australia, 2003.
2. Swaminathan M, Food and Nutrition, 5TH edition, Bangalore Printing, Bangalore, 2001.
3. Bhatia Arti, Encyclopaedia of Health and Nutrition, Anmol Publishers, New Delhi, 1999.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16PB104
TITLE OF THE COURSE : **MICROBIOLOGY**
L: T/A:P: C : 60 :2 : 30 : 0

COURSE OBJECTIVES:

1. This course reorients the students to the fundamentals of microbiology and its various sub divisions.
2. It provides opportunities to gain skill in handling and use of microscope for identifying various microorganisms.
3. It also provides opportunities for safe handling of materials containing harmful bacteria and methods of destroying microorganisms

COURSE OUTCOMES:

1. Identify common disease producing micro-organisms.
2. Explain the basic principles of microbiology and their significance in health and disease.
3. Demonstrate skill in handling specimens.
4. Explain various methods of disinfection and sterilization.
5. Identify the role of the nurse in hospital infection control system.

UNIT - 1

5 Hrs.

Structure and Classification of Microbes: Morphological types, Size and form of bacteria, Motility, Classification of Micro-organisms, Practical: Use and care of microscope, common examination: blood smear, moulds, and yeasts

UNIT -2

5Hrs.

Identification of Micro-organism: Discussion of laboratory Methods: Diagnosis of bacterial diseases, Practical: staining techniques-gram staining, acid fast staining, hanging drop preparation

UNIT -3

5 Hrs.

Growth and Nutrition of Microbes: Temperature, Moisture, Blood Practical: preparation of media and culture techniques, collection, handling and transportation specimens of various.

UNIT -4**5 Hrs.**

Destruction of Micro-organisms: Sterilization and disinfection, Chemotherapy and antibiotics, Effects of heat and cold, Hospital Infection control procedure and role of nurses. Practical: sterilization methods-physical, chemical and mechanical.

UNIT -5**6 Hrs.**

Disease producing micro-organisms: Gram positive bacilli, Tuberculosis and Leprosy, Anaerobes Cocci, Spirochetes. Rickettsia, Practical: Identification and study of the following bacteria: streptococci, Pneumococci and staphylococci, corenybacteria, spirochetes and gonococci. Enteric bacteria, posting in infection control department.

UNIT -6**5 Hrs.**

Pathogenic Fungi: Dermatophytes, Systemic Mycotic infection, Laboratory diagnosis of mycotic infection,

UNIT -7**8 Hrs.**

Immunity: Immunity and hypersensitivity - Skin test, Antigen and antibody reaction, Immunization against disease. Practical: demonstration of serological methods.

UNIT -8**8 Hrs.**

Parasites and Vectors: Characteristics and classification of parasites, protozoal infection including amoebiasis, Helminthes infection, Diagnosis of parasitic infection, Vectors and diseases transmitted by them. Practical: Identification of Parasites and Vectors.

UNIT -9**3 Hrs.**

Viruses: Classification and general character of viruses, Diseases caused by viruses in man and animal and their control.

UNIT -10**3 Hrs.**

Micro-organisms transmitted through food: Food poisoning. Food- borne infections.

UNIT -11**5 Hrs.**

Biomedical Waste Management: Microbiology and bio technology waste. Animal waste

TEXT BOOKS:

1. Anathanarayana, T/B of Microbiology Nurses, 7th Edition, Orient Longman Publishers, Chennai, 2005.
2. Baveja, T/B of Microbiology for Nurses, 4th Edition, Apc Publishers, 2014.
3. Sathish Gupte, Short T/B Medical Microbiology for Nurses, 1st Edition, Jaypee Publishers, New Delhi, 2011.
4. Rao, Textbook of Microbiology for Nursing Students, 5th Edition, Jaypee Publishers, New Delhi, 2014.

REFERENCE BOOKS:

1. Sood, Microbiology for Nurses, 3rd Edition, Elsevier Publishers, Philadelphia, 2013.
2. Jayaram Paniker, Textbook of Parasitology, 5th Edition, Jaypee Publishers, New Delhi, 2003.
3. Kumar, T/B of Microbiology for Nurses, 1st Edition, Jaypee Publishers, New Delhi, 2015.
4. Ichhpujan & Bhatia, Microbiology For Nurses, 2nd Edition, Jaypee Publishers, New Delhi, 2003

SEMESTER/YEAR : I YEAR
COURSE CODE : 16PB105
TITLE OF THE COURSE : PSYCHOLOGY

COURSE OBJECTIVES:

1. To reorient and widen the student's knowledge of fundamentals of psychology.
2. The student is offered an opportunity to apply the theoretical concepts in, the clinical setting and thereby understand the psychodynamics of patient behavior.
3. This course would also help the student to develop an insight into her own behavior.

COURSE OUTCOMES:

1. Apply psychological principles while performing nursing duties
2. Distinguish the psychological processes during health and sickness
3. Analyze own behavior patterns.
4. Tabulate the psychological needs of the patients for planning nursing care.
5. Participate in psychometric assessment of the client.

UNIT -1

3 Hrs.

Introduction: Definition of psychology, scope and methods of psychology. Relationship with other subjects.

UNIT -2

5 Hrs.

Sensation, Attention and Perception: Definitions, Sensory processes: Normal and Abnormal, Attention and distraction: contributory factors, Characteristics of perception, Perception: Normal and abnormal

UNIT -3

5 Hrs.

Motivation: Definition and nature of motivation, Biological and social motives

1. Frustration and conflicts, Self-actualization

UNIT -4

3 Hrs.

Emotions: Definition of emotions, Expression and perception, Emotions in sickness

Unit-5

4 Hrs.

Personality: Definition, Constituents of personality, Personality in sickness and nursing,

UNIT -6 **6 Hrs.**

Psychological aspects of nursing: Behavior and sickness. Psychological needs of Child and adolescents, Adult, Aged, Attendants, Chronically ill individual

UNIT -7 **6 Hrs.**

Individual differences: Significance of individual differences, Heredity and environment, Role of individual differences both in health and sickness, Implications of individual differences in nursing,

UNIT -8 **8 Hrs.**

Intelligence and Abilities: Definition, Intelligence and abilities during sickness. Measurement of intelligence and abilities.

UNIT -9 **5 Hrs.**

Learning: Definition, Conditions of learning, Laws of learning, learning during health and sickness.

UNIT -10 **5 Hrs.**

Memory and forgetting: Definition and nature of memory, Memory during health and sickness, forgetting during health and sickness.

UNIT -11 **5 Hrs.**

Attitudes: Definition, Development and modification, Role of attitudes in health and sickness.

UNIT -12 **5 Hrs.**

Concept of mental hygiene & mental health : Characteristics of a mentally healthy person, Defense mechanisms

TEXT BOOKS:

1. Anthinkad J, Psychology For Gradate Nurses, 5th Edition, Jaypee Publishers, New Delhi, 2014.
2. Morgen & King, Psychiatry for Graduate Nurse, 7th Edition, Me Graw Hill Publishers, 1979.
3. Sreevani, Psychology for Nurses, 2nd Edition, Jaypee Publishers, New Delhi, 2013.
4. Hurlock, Developmental Psychology, 5th Edition, Mcgraw Hill Publishers, 2011.

REFERENCE BOOKS:

1. Konnur, Psychology for Graduate Nurses, 1st Edition, Jaypee Publishers, New Delhi, 2013.
2. Navdeep Bansal, Textbook of Psychology, 1st Edition, Jaypee Publishers, New Delhi, 2012.
3. Reddy, Essentials Of Psychology For Nurses, 1st Edition, Jaypee Publishers, New Delhi, 2009

SEMESTER/YEAR : I YEAR
COURSE CODE : 16PB106
TITLE OF THE COURSE : **NURSING FOUNDATION**
L: T/A: P: C : 45: 2: 50: 0

COURSE OBJECTIVES:

1. To help the students to develop an understanding of the philosophy, objectives, theories and process of nursing in various Supervised Clinical settings.
2. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in Supervised Clinical settings.

COURSE OUTCOMES:

1. Identify professional aspects of nursing.
2. Explain theories of nursing.
3. Identify ethical aspects of nursing profession.
4. Utilize steps of nursing process.
5. Identify the role of the nurse in various levels of health services.
6. Appreciate the significance of quality assurance in nursing.
7. Explain current trends in health and nursing.

UNIT - 1

5 Hrs.

Development of Nursing as a profession :Its philosophy, Objectives and responsibilities of a graduate nurse, Trends influencing nursing practice, expanded role of the nurse, Development of nursing education in India and trends in Nursing education Professional organizations, career planning, Code of ethics & professional conduct for nurse.

UNIT -2

12 Hrs.

Ethical, legal and other, issues in Nursing: **Concept** of health and illness, effects on the person, Stress and adaptation, Health care concept and Nursing care concept, Developmental concept, needs, roles and problems of the developmental stages of individual - Newborn, infant, toddlers, preadolescent, adolescent, adulthood, middle age, Old age.

UNIT -3

5 Hrs.

Theory of nursing practice: Metaparadigm of Nursing - characterized by four central concept, i.e. Nurse, person (Client / patient) health and environment.

Unit -4

5 Hrs.

Nursing process: Assessment: Tools for Assessment, Methods, Recording, Planning, Techniques for planning care, types of care plans. Implementation: Different approaches to

care, organization and implementation of care, recording. Evaluation: Tools for evaluation, process of evaluation

UNIT -5

5 Hrs.

Quality assurance: Nursing standards, Nursing Audit, total quality management, Role of council and professional bodies in maintenance of standards.

UNIT -6

10 Hrs.

Primary health care concept: Community oriented Nursing, Holistic Nursing, Primary Nursing .Family oriented Nursing concept-Problem oriented Nursing, Progressive patient care. Team nursing

UNIT -7

3 Hrs.

Biomedical Waste management: Waste sharps, solid wastes, Discarded Medicines, Cytotoxic drugs.

TEXT BOOKS:

1. Potter & Perry, Fundamentals of nursing, 7th edition, Elsevier Mosby publishers, Missouri, 2010.
2. Wilkinson & Leuven, Fundamentals of nursing (2 Vol. set), 1st edition, Jaypee publishers, New Delhi, 2008.
3. Taylor, Fundamentals of nursing, 7th edition, Wolterpub publishers, 2011.
4. Indrani, First aid for Nurses, 1st edition, Jaypee publishers, New Delhi, 2008.
5. Gupta, Practical nursing procedures, 3rd edition, Jaypee publishers, New Delhi, 2007.
6. White Lois, Basics Nursing Foundation Skills & Concepts, 1st edition, Delmer publishers, Australia, 2002.

REFERENCE BOOKS:

1. Gowda, Foundations of nursing, 1st edition, Jaypee publishers, New Delhi, 2010.
2. Laganathan, Essentials of nursing, 1st edition, Jaypee publishers, New Delhi, 2009.
3. Doenge, et al, Nursing care Plans, 9th edition, FAD publishers, New Delhi, 2014.
4. Rajinikant, Application of nursing process and nursing Diagnosis, 1st edition, Jaypee publishers, New Delhi, 2009.
5. Correia, Principles and practice of nursing, 1st edition, Jaypee publishers, New Delhi, 2013.
6. Gupta & Gupta, Manual of First aid, 1st edition, Jaypee publishers, New Delhi, 2012.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16PB107
TITLE OF THE COURSE : **MATERNAL NURSING**
L: T/A:P: C : 60 :2 : 240 : 0

COURSE OBJECTIVES:

1. To widen the student's knowledge of obstetrics during pregnancy, labor and puerperium.
2. To help in acquiring knowledge and developing skill in rendering optimum nursing care to child bearing mother in a hospital or community and help in the management of common gynecological problems.

COURSE OUTCOMES:

1. Describe the physiology of pregnancy, labour and puerperium.
2. Manage normal pregnancy, labour and puerperium
3. Explain the physiology of lactation and advice on management of breast feeding.
4. Be skilled in providing pre and post-operative nursing care in obstetric conditions.
5. Identify and manage high risk pregnancy including appropriate referrals.

UNIT - 1 **5 Hrs.**

Introduction and historical review: Planned Parenthood, Maternal morbidity and mortality rates, Legislations related to maternity benefits, MTP act, incentives for family planning etc.

UNIT - 2 **7 Hrs.**

Review of the anatomy and physiology of female reproductive system: Female pelvis (normal and contracted), Review of fetal development.

UNIT - 3 **8 Hrs.**

Physiology of pregnancy: Signs and symptoms and diagnosis of pregnancy Antenatal care, management of pregnancy, Labour and puerperium, pregnant women with HIV / AIDS, Management of common gynecological problems

UNIT - 4 **10 Hrs.**

The New born baby : Care of the baby at birth including resuscitation, Essential New born Care, Feeding, Jaundice and infection, Small & large for date babies
Intensive care of the new born, Trauma and hemorrhage.

UNIT - 5**20 Hrs.**

Management of abnormal pregnancy, labor and puerperium: Abortion, ectopic pregnancy and vesicular mole, Pregnancy induced hypertension, gestational diabetes, Anemia, Heart disease, Urinary infections, Antepartum hemorrhage, Abnormal labour (malposition & malpresentation), Uterine inertia, Disorders of puerperium, Management of engorged breast, cracked nipples, breast abscess and mastitis, Puerperal sepsis, Postpartum hemorrhage, Inversion and prolapse of uterus, Obstetrical emergencies, Obstetrical procedures i.e. forceps, vacuum, episiotomy, caesarean section

UNIT - 6**5 Hrs.**

Drugs in obstetrics: Effects of drugs during pregnancy, labour and puerperium on mother and baby.

UNIT - 7**5 Hrs.**

National Welfare Programmes for women: National Family Welfare Programme, Infertile couple, Problems associated with unwanted pregnancy. Unwed mothers.

TEXT BOOKS:

1. Bennet V Ruth & Brown K Linda, Myles Text Book for Midwives, ELBS, Churchill Livingstone, 2004.
2. Dutta D.C, Text Book of Obstetrics, 6th Edition, New Central Agency, Calcutta, 2001.
3. Dutta D.C, Text Book of Gynecology, 6th Edition, New Central Agency, Calcutta, 2004.
4. Alexandert.J.O, Midwifery Practice Care Topics, 1st Edition, Macmilan, London, 1996.
5. Ann Page L.The New Midwifery Science & Sensitive in Practice, 1st Edition, Churchill, Toronto, 2000.

REFERENCE BOOKS:

1. James David HighRisk Pregnancy Management Option, 2nd Edition, W.B.Saunders, London, 1999.
2. Buckley Kathleen and Kulb Nancy W, High Risk Maternity Nursing Manual, Williams & Wilkin, Philadelphia, 1993.
3. Kargar Ishbel Ed, Challenges In The Midwifery Care, 1st Edition, Macmilan, London, 1997.
4. Welford Heather, A Marshall Health Guide Pregnancy, 1st Edition Marshall Pub, London, 1998.
5. Lee Richard V.Ed, Medical Care of the Pregnant Patient, 1st Edition, American College, Philadelphia, 2000.

Practical-16PB171

Total= 240 hours

1 Week = 30 Hours

Sl.no.	Area of posting	No. of week	Total hours
1.	Antenatal OPD(including family welfare and post-partum clinic/PTCT_	2	30
2.	Antenatal And Postnatal Ward	2	30
3.	Labour Room	1	30
4.	Obstetric & Gynae Operation Theatre	1	60
5.	Pediatric Surgical Ward	1	30
6.	Neonatal Ward	1	30
	TOTAL	8	240

Essential Obstetric and Gynecological skills:

Procedures observed:

- MRI
- Surgical diathermy
- Cryosurgery
- Hysteroscopy
- Fetoscopy
- Cervical & vaginal cytology
- Ultrasonography
- Assisted reproductive technology procedures

Procedures assisted:

- Operative delivery
- Abnormal deliveries- Forceps dilatation, Ventouse, Breech
- Exchange blood transfusion
- Culdoscopy
- Cystoscopy
- Tuboscopy
- Laparoscopy
- Endometrial biopsy
- Tubal patent test
- Chemotherapy
- Radiation therapy
- Medical termination of pregnancy
- Dilatation and curettage

SEMESTER/YEAR	: I YEAR
COURSE CODE	: 16PB108
TITLE OF THE COURSE	: CHILD HEALTH NURSING
L: T/A:P: C	: 60 :2 : 240 : 0

COURSE OBJECTIVES:

At developing an understanding of the modern approach to childcare, the common health problems of children and neonates in health and sickness

COURSE OUTCOMES:

1. Explain the modern concept of child care and the principles of child health nursing
2. Describe the normal growth and development of children at different ages.
3. Manage sick as well as healthy neonates and children.
4. Identify various aspects of preventive pediatric nursing and apply them in providing nursing care to children in hospital and community

UNIT - 1

10 Hrs.

Introduction :Modern concepts of childcare, Internationally accepted rights of the Child, National policy & legislations in relation to child health and welfare, National programmes related to child health and welfare, Changing trends in hospital care, preventive, promotive & curative aspects of child health, Child morbidity and mortality rates, Differences between an adult and child , Hospital environment for a sick child, The role of a Child health nurse in caring for a hospitalized child, Principles of pre and post-operative care of infants and children Pediatric nursing procedures: Restrains, Methods of oxygen administration, Lumbar puncture, Total parenteral nutrition, Spoon / Paladai feeding, Phototherapy, Radiant warmer, Incubator care etc.

UNIT - 2

15 Hrs.

The healthy child: Growth and development from birth to adolescence, the needs of normal children through the stages of developmental and parental guidance. Nutritional needs of children & infants: breast feeding, supplementary/artificial feeding and weaning, Accidents: causes and prevention, Value of play and selection of play material, Preventive immunization.

UNIT - 3

10 Hrs.

Nursing care of a neonate :Nursing care of a normal newborn, Neonatal resuscitation, Nursing management of a low birth weight baby, Pre mature babies Nursing management of common neonatal disorders- Birth injuries, birth marks, erythema toxicum neonatorum, High risk related to physiologic factors – RDS, Neonatal seizures, Hemolytic disease, Organization of neonatal unit, Prevention of infections in nursery.

UNIT - 4

20 Hrs.

Nursing management in common childhood diseases : Nutritional deficiency disorders, Respiratory disorders and infections – Acute respiratory infection, pneumonia, bronchitis, asthma, respiratory failure, Gastrointestinal infections, infestations and congenital disorders – Diarrhoea and dehydration, Pyloric stenosis, Hirsch sprung disease, hepatitis, TEF&EA cleft lip &cleft palate, intestinal obstruction, anorectal malformation, worm infestation, Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease, Genitor-urinary disorders: Acute glomerulo-nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders, Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida, Hematological disorders : Anemias, thalassemia, ITP, Leukemia, hemophilia, Endocrine disorders: Juvenile Diabetes Mellitus, Diabetes insipidus, Hypo & Hyper thyroidism, Hypo & Hyper para-thyroidism, Hypo & Hyper-pituitarism, Addison's disease, Cushing syndrome, Orthopedic disorders :club feet, hip dislocation and fracture, Disorders of skin-burns, dermatitis, scabies, Disorders of eye, & ears, Common communicable diseases in children, their identification, nursing management in hospital and home and prevention, Child health emergencies: poisoning, foreign bodies, hemorrhage, burns & drowning

UNIT - 5

5 Hrs.

Management of behavioral Disorders in children: Management of common behavioral disorders – in infants, toddler, preschooler and schooler, ADHD Management of challenged children: Mentally challenged, physically challenged, Socially challenged

TEXT BOOKS:

1. Marlow Dorothy, Textbook of Pediatric Nursing, 6th Edition, W.B Saunders, Philadelphia, 2001.
2. Wong, Whley &Wongs Nursing Care Of Infants & Children, 5th Edition, Mosby, St Louis, 1995.
3. Gupta,Short Textbook of Paediatrics, 10th Edition, Jaypee, New Delhi, 2004.

REFERENCE BOOKS:

1. Behrman, Richard K &Vaughan, Nelson.S, Textbook of Paediatrics, 1st Edition, Prism, Bangalore, 1996.
2. Ghai O.P, Essentials of Pediatrics, 4th Edition, Interprint, New Delhi, 2009.

3. Meharban Singh. Care of the NewBorn, 6th Edition, Saagar, New Delhi, 2004.
4. Chellappa.J, Paediatric Nursing,1st Edition, Gajanana Pub,Bangalore,1995.
5. Rollant.P.D, Paediatric Nursing, 1stEdition, Mosby, S.T Louis, 1996.

PRACTICAL- 16PB172

Total =240 Hours

1 Week = 30 Hours

Sl.No.	Area of posting	No. of week	Total hours
1	Paediatric medicine ICU	1	30
2	Pediatric surgical ICU	1	30
3	N ICU	1	30
4	Pediatric medicine ward	2	60
5	Pediatric surgical ward	1	30
6	Emergency/casualty	1	30
7	Field visits*	1	30
8	TOTAL	8	240

* Child care center, Anganwadi clinics, Play schools, Special schools for challenged, Juvenile court, UNICEF, Orphanage, Crèche, SOS Village

Students' activities:

Case presentations

Case study

Health assessment of newborn

Growth and development monitoring

Assisting in various pediatric general & operative procedure

Assisting in ICU procedures

Procedure to be observed:

- Echocardiogram
- Ultrasound head
- Any other

Procedure to be assisted:

- Advanced neonatal life support

- Lumbar puncture
- Arterial blood gas
- ECG recording
- Umbilical catheterization
- Arterial BP monitoring
- Blood transfusion- exchange transfusion full and partial
- IV cannulation and therapy
- Chest tube insertion
- Endotracheal intubation
- Ventilation
- Insertion of log line
- Assist in surgery

SEMESTER/YEAR : I YEAR
COURSE CODE : 16PB109
TITLE OF THE COURSE : **MEDICAL SURGICAL NURSING**
L: T/A:P: C : 90 :2 : 270 : 0

COURSE OBJECTIVES:

1. To widen the students' knowledge and develop proficiency in caring for patients with medical surgical problems.
2. To help review of relevant anatomy and Physiology, pathophysiology in medical-surgical disorders and the nursing management of the conditions.

COURSE OUTCOMES:

1. Explain relevant Anatomy and Physiology of various systems of the body
2. Explain pathophysiology of various disorders.
3. Explain the actions, side effects and nursing implications in administering drugs for various disorders
4. Discuss the recent advancement in the treatment and care of patients with medical and surgical conditions.
5. Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
6. Assist the patients and their families in identifying and meeting their own health needs. Appreciate the role of the nurse in the medical surgical health

UNIT -I

2 Hrs.

Introduction to medical surgical Nursing: Review of concepts of comprehensive Nursing care in medical surgical conditions, Nurse, patient and his/her family, Functions of nurse in outpatient departments, Intensive care unit.

UNIT -2

5 Hrs.

Nursing management of patients with specific problems : Fluid and electrolyte imbalance, Dyspnea, cough, Respiratory obstruction, Fever, Shock, Unconsciousness, Pain, Acute illness, Chronic illness ,Terminal illness, Age related illness, Patient undergoing surgery, Incontinence

UNIT -3

8 Hrs.

Nursing management of patient with neurological & neuro surgical conditions :Review of Anatomy and Physiology of the Nervous System, History collection and assessment, Pathophysiology, Diagnostic procedures and management of: Cerebrovascular accidents, Cranial, spinal and peripheral neuropathies, Headaches and intractable pain, Epilepsy, Infections and inflammatory diseases and trauma of Nervous system, Recent advances in

diagnostic and treatment modalities, Drugs used in these disorders, Tumors of brain & spinal cord, congenital malformations, degenerative diseases

UNIT -4

10 Hrs.

Nursing management of patients with cardiovascular problems: Review of Anatomy & Physiology of Cardio vascular system: History collection and assessment, Pathophysiology, diagnostic procedures. management of ischemic heart diseases, Cardiac arrhythmias, Congestive heart failure, Rheumatic and other Valvular heart diseases, Endocarditis, cardiomyopathies, congenital heart diseases, Hypertension, Heart Block, cardiac emergencies - Cardiac arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, Aneurysms and Peripherovascular disorders, recent advancement in cardiology, Drugs used in the management of these patients

UNIT -5

8 Hrs.

Nursing management of patients with respiratory problems : Review of Anatomy and Physiology of Respiratory system, History collection and assessment, Pathophysiology, diagnostic procedures and management of upper respiratory tract infections, Bronchitis, Asthma, Emphysema, Empyema, Atelectasis, COPD, Bronchiectasis, Pneumonia, Pulmonary Tuberculosis, Lung abscess, pleural effusion, Tumors and cysts, Chest injuries, Respiratory arrest and insufficiency, Pulmonary embolism, Drugs used in the management of these patients, Special respiratory therapies

UNIT -6

7 Hrs.

Nursing management of patients with Genito-Urinary problems : Review of anatomy and physiology of the urinary system, History collection and assessment, Pathophysiology, Diagnostic procedures and management of :-Nephritis, Renal calculus, Acute renal failure; Chronic renal failure, End stage of renal diseases, Special procedures, renal transplant, Drugs used in management of these patients, congenital disorders, urinary infection, Benign prostate hypertrophy

UNIT -7

6 Hrs.

Nursing management of patients with problems of the Digestive system: Review of anatomy and physiology of gastrointestinal systems & Accessory organs, History collection and assessment, Pathophysiology, diagnostic procedure and management of G.I.Bleeding, Peptic ulcer, Infections, Acute abdomen, Colitis, diarrhea, dysentery & mal-absorption syndrome. Cholecystitis, Hepatitis, Hepatic coma and cirrhosis of liver, Portal Hypertension, Pancreatitis, Tumors, hernias, fistulas, fissures, hemorrhoids, Drugs used in the management of these patients

UNIT -8**4 Hrs.**

Nursing management of patient with endocrine problems : Review of Anatomy and Physiology History collection and assessment, patho-physiology of patients with Thyroid disorders, Diabetes mellitus, Diabetic insipidus, Adrenal tumors, Pituitary disorders, Diagnostic procedures, Nursing management of patient with above problems, Drugs used in endocrine problems

UNIT -9**6 Hrs.**

Nursing management of patients with musculoskeletal problems :Review of Anatomy and Physiology , History collection and assessment .Arthritis, osteomyelitis, bursitis, Fractures, dislocation and trauma, Prolapsed disc, Osteomalacia and Osteoporosis, Tumor, Amputation, Diagnostic procedures, Nursing management of patient with above problems Prosthesis and Rehabilitation, Transplant & replacement surgeries Drugs used in the management of these patients,

UNIT -10**2 Hrs.**

Nursing management of patients with disorders of female reproductive tract: History collection and assessment, Disorders of menstruation, Infections of the genital tract, Benign and malignant tumors of the Genital tract, Recto vaginal Fistula (RVF). Vesico VaginalFistula (V. V. F), Climatic changes and associated problems, Drugs used in the management of these patients.

UNIT -11**8 Hrs.**

Nursing management of patient with oncological disorders: Types of neoplasms and related pathophysiology, Diagnostic procedures, Modalities of treatment and nurses' role, Special therapies, chemotherapy and Radiotherapy, Preventive measures and other therapies

UNIT -12**3 Hrs.**

Nursing management of patient with Burns: Nursing management of patient with reconstructive surgeries.

UNIT -13**2 Hrs.**

Nursing management of patient with common communicable diseases & STD'S: Nursing management of patients with immunological disorders including HIV / AIDS.

UNIT -14**4 Hrs.**

Nursing management of patients with diseases of eye, ear, nose, throat skin.

UNIT -15**6 Hrs.**

Nursing management of patients with blood disorders :Review of Anatomy and physiology of blood & blood disorders, Pathophysiology, Diagnostic procedures and management of blood disorders-Anemia, Leukemia, Bleeding disorders-Hemophilia, Purpura etc. Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion, Management and counseling of blood donors, phlebotomy procedure, and post donation management, Blood bank functioning and hospital transfusion committee, Bio- safety and waste management in relation to blood transfusion

UNIT -16**8 Hrs.**

Nursing in emergencies: Cardiac emergency, Trauma, Poisoning Crisis management, Thyroid crisis, Hypertensive crisis, Adrenal crisis

TEXT BOOKS:

1. Smeltzer Suzanne, C., Bare Brenda, G., Brunner And Suddarth's Text Book Of Medical Surgical Nursing, Twelfth Edition, Lippincott Williams & Wilkins, New Book, 2009.
2. Black Joyce. M, Medical Surgical Nursing, 7th Edition, Saunders, S.T. Louis, 2009.
3. Phipps Wilma, Medical Surgical Nursing: Clinical Mgt For Continuity Of Care, 7th Edition, B. T. Pubin, Bangalore, 2005.

REFERENCE BOOKS:

1. Perry, Ann G. And Patricia A. Potter, Clinical Nursing Skills and Techniques, 2nd Edition, C.V Mosby Co, 2001.
2. Lee Richard, Medical Care Of The Pregnant Patient, 7th Edition, American College, Philadelphia, 2000.
3. Baughman Diane. C, Handbook For Brunner's Suddarth's T.B Of Medical Surgical Nursing, 1st Edition, Lippincott, New York, 1996.

Practical-16PB173**Total =270 hours****1 week= 30 hours**

Sl.no.	Area of posting	No. of week	Total hours
1.	Casualty/Emergency	1	30
2.	Cardiac Ward	1	30
3.	Ortho / Endocrine	1	30
4.	Gynaec- Ward	1	30
5.	Medical Ward		
	Burns	1	15
	Ortho		15
	Endo	1	15
	Respiration		15
6.	Nephrology /ENT	1	30
7.	Oncology	1	30
8.	Neurology (Surgical &OPD)	1	30

STUDENT ACTIVITIES:

- Clinical presentations
- Health education related to disease condition
- Nutritional assessment
- Field visits reports
- Assessment and prescription of nursing interventions for sick
- Children
- Health assessment
- Case studies

SEMESTER/YEAR : I YEAR
COURSE CODE : 16PB110
TITLE OF THE COURSE : **ENGLISH**
L: T/A:P: C : 60 :2 : 0 : 0

COURSE OBJECTIVES:

To help the students understand and usage of English language required for their professional work.

COURSE OUTCOMES:

1. Ability to speak and write grammatically correct English
2. Effective skill in reading and understanding the English language.
3. Skill in reporting.

UNIT -1

20 Hrs.

Remedial study of Grammar: Review of grammar, vocabulary and effective use of dictionary, Prepare task oriented seminars, Symposia and panel discussion.

UNIT -2

30 Hrs.

Practice : The ability to understand selected passage and express meaning in, one's own words, Reading and comprehension of the prescribed books, The study of various forms of composition- Note taking, Dairy, Nurses notes, anecdotal records, Writing of summary, Nurses reports on health problems, The student will submit one sample of each item from her on practical experience.

UNIT -3

10 Hrs.

Verbal communication: Oral reports, Summarization of discussion, Debate Listening comprehension - Film, Cassette and Radio.

TEXT BOOKS:

1. Prema Kumar, English for Nursing students, 1st edition, Jaypee publishers, New Delhi, 2010.
2. Anujeet, Radical English for Nurses, 2nd edition, Jaypee publishers, New Delhi, 2015.

REFERENCE BOOKS:

1. Balu, English for Nurses, 1st edition, Jaypee publishers, New Delhi, 2011.
2. Sarumati, English for Nursing, 2nd edition, Jaypee publishers, New Delhi, 2011.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16PB201
TITLE OF THE COURSE : **SOCIOLOGY**
L: T/A:P: C : 60 :2 : 0 : 0

COURSE OBJECTIVES:

To reorient students to sociology related to community and social institution in India and its relationship with health, illness and nursing

COURSE OUTCOMES:

1. Describe sociological concepts that are applicable to nursing.
2. Determine role of sociology in nursing as related to social institutions in India
3. Develop positive attitudes towards individual, family and community

UNIT -1

5 Hrs.

Introduction: Importance of study of sociology in nursing, relationship of anthropology, sociology, etc.

UNIT -2

5 Hrs.

Individual and the Society: Socialization, Interdependence of the individual and society, Personal disorganization.

UNIT -3

5 Hrs.

Culture, Nature of culture: Evolution of culture, Diversity and uniformity of culture

UNIT -4

15 Hrs.

Social organization: Social groups, crowds and public groups, nations, race. Social institutions: The family, marriage, education, religion, arts, economic organization, political organization. The urban & rural community in India: Ecology, characteristics of the village, characteristics of the town and city, Social stratification: Class and caste.

UNIT -5

10 Hrs.

Social Process: Process of Social Interaction: Competition, conflict-war, cooperation, accommodation and assimilation.

UNIT - 6**10 Hrs.**

Social change: Nature and process of Social Change: Factors influencing cultural change. Cultural lag.

UNIT -7**10 Hrs.**

Social Problems :Social disorganization, control & planning: poverty, population, housing, illiteracy, food supplies ,growth of urbanization, prostitution, minority groups, rights of women & children, child labor, child abuse, delinquency and crime, substance abuse.

TEXT BOOKS:

1. Anthikad ,Sociology for graduate nurses , 3rd edition, New Delhi, Jaypee brothers , 2014
2. **Indrani, Textbook of Sociology for Nurses, 1st edition**, New Delhi, Jaypee brothers , 2010

REFERENCE BOOKS

1. Purushothama, Nursing sociology,**1st edition**, New Delhi, Jaypee brothers,2010
2. Neeraja, T/B of sociology for nurses, **1st edition**, New Delhi, Jaypee brothers,2010

SEMESTER/YEAR : II YEAR
COURSE CODE : 16PB202
TITLE OF THE COURSE : **COMMUNITY HEALTH NURSING**
L: T/A:P: C : 60 :2 : 240 : 0

COURSE OBJECTIVES:

To enable the students to understand the national health care delivery system and to participate in the delivery of community health nursing.

COURSE OUTCOMES:

1. Explain the concept of various factors contributing to health of individual, family and community.
2. Identify the role of community health nurse.
3. Describe national health care delivery system.
4. Describe epidemiological methods and principles of prevention and control of illness in the community.
5. Identify the role of personnel working in the community health set up.
6. Plan the work of community health nurse and supervise and train health worker

UNIT -1

5 Hrs.

Introduction to Community Health: Concepts, Principles and elements of Primary Health Care, Introduction to community health nursing, Concepts of community health nursing – Community nursing process, Objectives, scope and principles of community health nursing.

UNIT -2

10 Hrs.

Family Health Services: Concept, objectives, scope and principles, Individual, family and community as a unit of service, Principles and techniques of home visiting, Establishing working relationship with the family, Working with families in relation to prevention of disease, promotion of health Care of the sick in the home, physically handicapped and mentally challenged, Surveillance and monitoring.,

UNIT - 3

10 Hrs.

Organization and administration of health services in India : National health policy ,Health Care Delivery system in India, Health team concept, Centre, State, district, urban health services, rural health services ,System of medicines, Centrally sponsored health schemes, Role of voluntary health organizations and international health agencies, Role of health personnel in the community, Public health legislation.

UNIT -4**5 Hrs.**

Health Education: Aims, concepts and scope of health education. National plan for health education, Communication techniques, Methods and media for health education programmes, planning for health education and role of nurse

UNIT - 5**10 Hrs.**

Role of the community health nurse: National health programmes, Maternal and child health programmes, Family welfare and school health services, Occupational health services. , As a member of the health team. Training and supervision of health care workers.

UNIT -6**10 Hrs.**

Epidemiology: Definition - Concepts, aims, objectives, methods, principles, Epidemiology - Theories and Models. , Application of Epidemiology, principles and concepts in community health.

UNIT -7**10 Hrs.**

Bio Statistics and Vital Statistics : Introduction, definition and scope, legislation ,Report, recording and compiling of vital statistics at the local, state, national and international level Definitions and methods of computing vital statistics., Methods of presenting data, Management Information System

TEXT BOOKS:

1. Rao S. Kasthuri, An Introduction to Community Health Nursing, Madras, B. I. Publishers
2. Stanhope – Community Health Nursing, 2008, Elsevier
3. Anderson – Community as Partner, 2009, LWW
- 4 .K. Park , Social and Preventive Medicine , 8th edition, Bannott Publishers

Reference Books:

1. Clark, June & Jill Handerson, Community Health, Churchill Livingstone, New York.
2. Freeman B. Ruth, Public Health Practices, W. W. Saunders CO., Philadelphia.
3. Fromer Joan Margot, Community Health Care and the Nursing Process, C.V Mosby CO., Toronto.
- 4.Park J. E, Text Book of Preventive and Social Medicine, Ms Banarsidas Bhanot CO., Jabalpur.

SEMESTER/YEAR	: II YEAR
COURSE CODE	: 16PB271
TITLE OF THE COURSE	: COMMUNITY HEALTH NURSING (Practical)
L: T/A:P: C	: 0 :0 : 240 : 0

COURSE OBJECTIVES:

To enables the students to understand the national health care delivery system and to participate in the delivery of community health nursing.

COURSE OUTCOMES:

1. Build and Maintain rapport
2. Identify demographic characteristics, health determinants & community health resources
3. Diagnose health needs of individual and families
4. Provide primary care in health centre
5. Counsel & educate individual, family & community

- Use techniques of inter-personal relationship
- Identification of health determinants of community
- History taking
- Physical examination
- Collect specimens- sputum, malaria smear
- Perform simple lab tests at centre - blood for Hemoglobin and sugar, urine for albumin and sugar
- Administer vaccines and medications to adults
- Counsel and teach individual, family and community
- ✚ Nutrition
- ✚ Hygiene
- ✚ Self health monitoring
- ✚ Seeking health services
- ✚ Healthy life style
- ✚ Family welfare methods
- ✚ Health promotion

SEMESTER/YEAR : II YEAR
COURSE CODE : 16PB203
TITLE OF THE COURSE : **MENTAL HEALTH NURSING**
L: T/A:P: C : 60 :2 : 240 : 0

COURSE OBJECTIVES:

1. To enable the students to recognize and appreciate the causes, symptoms and process of, abnormal human behavior.
2. To help the student to the present day treatment modalities in the light of psychological, social and cultural factors affecting human behavior.
3. To help the student to learn principles of mental health and psychiatric nursing and to develop beginning skills in the management of the mentally ill in hospital and community.

COURSE OUTCOMES:

1. Identify and describe the philosophy and principles of mental health nursing.
2. Describe the historical development of mental health and psychiatric nursing.
3. Classify mental disorders.
4. Develop skill in history taking and performing mental status examination.
5. Describe etiological factors, psycho-pathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.
6. Manage the patients with various mental disorders.
7. Communicate therapeutically with patients and their families.
8. Identify role of the nurse in preventive psychiatry.
9. Identify the legal aspects in practice of mental health and psychiatric nursing.

UNIT -1

6 Hrs.

Introduction and Historical Development: History of psychiatry, Historical development of mental health nursing. Philosophy, principles of mental health and psychiatric nursing. Concept of normal and abnormal behavior. Role and qualities of mental health and psychiatric nurse, mental health team and functions of team members, Legal aspects in psychiatry and mental health services.

UNIT -2

5 Hrs.

Classification and assessment of mental disorders: Terminologies used in Psychiatry, Classification of mental disorders, Etiological factors and psychopathology of mental disorders. History taking and assessment methods for mental disorders.

UNIT -3**4 Hrs.**

Therapeutic Communication: Communication process, Interview skills, therapeutic communication techniques. Nurse Patient Relationship, Therapeutic, impasse and its management Process recording.

UNIT -4**15 Hrs.**

Management of mental Disorders : Etiological factors, psychopathology, types, clinical features, diagnostic criteria, treatment and, nursing management of patient with following disorders: Neurotic Disorders: Anxiety Neurosis, Depressive Neurosis, Obsessive Compulsive Neurosis, Phobic Neurosis and Hypochondriacal Neurosis, Stress related and Somatoform disorders, Psychotic Disorders: Schizophrenic form, affective and organic psychosis, Organic Brain Syndromes, Psychosomatic disorders, Personality disorders, Disorders of childhood and adolescence.

UNIT -5**7 Hrs.**

Management of patients with Substance use disorders : Substance use and misuse, Dependence, intoxication and withdrawal, Classification of psychoactive substances, Etiological & contributory factors, Psychopathology, Clinical features, Diagnostic criteria, Treatment and nursing management of patient with substance use disorders, Preventive and rehabilitative aspects in substance abuse

UNIT -6**3 Hrs.**

Management of mental sub-normality: Classification of mental sub-normality, Etiological factors, psychopathology, psychometric assessment, diagnostic criteria and management of sub-normality.

UNIT -7**5 Hrs.**

Psychiatric Emergencies: Types of emergencies, psychopathology, clinical features, assessment and diagnosis, treatment and nursing management of patient with psychiatric emergencies. Crisis Intervention therapy

UNIT -8**10 Hrs.**

Therapeutic Modalities : Principles, indication, contraindications and role of nurse in various treatment methods, Therapeutic community and Milieu therapy, Occupational therapy, Psychotherapy, Behavior therapy, Family therapy, Pharmacotherapy, Electro Convulsive therapy, Other miscellaneous therapies

UNIT -9**5 Hrs.**

Preventive Psychiatry, model of prevention: Role of nurse in preventive Psychiatry, Psychiatric social work, Community mental health nursing, Community mental health agencies, National mental health programmes

TEXT BOOKS:

1. .Neeraja , Essentials of mental nursing,1st edition, New Delhi, Jaypee,2009
2. Samson,
3. Shives , Basic Concepts in Psychiatric Mental Health Nursing,2007,LWW
4. Stuart – Principles & Practice of Psychiatric Nursing, 2008, Elsevier
5. Sreevani – Psychiatric Mental Health Nursing, 2008, Jaypee
6. Lalitha “Mental Health psychiatric nursing”

REFERENCE BOOKS:

1. Boyd – Psychiatric Nursing, 2007, LWW
2. Ahuja – Psychiatry – 2008,Jaypee
3. Kaplan – Kaplan & Sadock’s Synopsis of Pyschiatry, 2007, LWW
4. Kaplan – Kaplan & Sadock Concise Textbook of Clinical Psychiatry, 2008, LWW
5. Lalitha - Psychiatric Mental Health Nursing
6. Vyas& Ahuja “T/B of postgraduate psychiatric (2 vol. set)”
7. Neeb “Fundamentals of mental health nursing”

SEMESTER/YEAR	: II YEAR
COURSE CODE	: 16PB272
TITLE OF THE COURSE	: MENTAL HEALTH NURSING (PRACTICAL)
L: T/A:P: C	: 0 : 0 : 240 : 0

COURSE OBJECTIVES:

To enable the students to recognize and appreciate the causes, symptoms and process of, abnormal human behavior. It also introduces the student to the present day treatment modalities in the light of psychological, social and cultural factors affecting human behavior. This course helps the student to learn principles of mental health and psychiatric nursing and to develop beginning skills in the management of the mentally ill in hospital and community.

COURSE OUTCOMES:

1. Assess patients with mental health problems
2. Observe & assist in therapies
3. Counsel & educate patient, & families
4. Assessment of children with various mental health problems
5. Counsel and educate children, families & significant others
6. Assess patients with mental health problems
7. To provide nursing care for patients with various mental health problems
8. Assist in various therapies
9. Counsel & educate patients, families & significant others
10. To identify patients with various mental disorders
11. To motivate patients for early treatment & follow up
12. To assist in follow up clinic
13. Counsel and educate patient, family and community

- History taking
- Perform mental status examination (MSE)
- Perform Neurological examination
- Assist in psychometric assessment
- Record therapeutic communication
- Administer medications
- Assist in Electro-convulsive therapy (ECT)
- Participate in all therapies
- Prepare patients for Activities of Daily living (ADL)
- Conduct admission and discharge counseling

- Counsel and teach patients and families
- Conduct case work
- Identify individuals with mental health problems
- Assists in mental health camps and clinics
- Counsel and Teach family members, patients and community

SEMESTER/YEAR	: II YEAR
COURSE CODE	: 16PB204
TITLE OF THE COURSE	: INTRODUCTION TO NURSING EDUCATION
L: T/A:P: C	: 60 :2 : 75 : 0

COURSE OBJECTIVES:

To introduces the students to principles and concepts of education, curriculum development and methods and media of teaching. It also describes the steps in curriculum development and implementation of educational programmes in nursing.

COURSE OUTCOMES:

1. Describe the philosophy and principles of education.
2. Explain the teaching - learning process
3. Develop the ability to teach, using various methods and media.
4. Describe the process of assessment.
5. Describe the administrative aspects of school of nursing
6. Participate in planning and organizing an in-service education programme.
7. Develop basic skill of counseling and guidance.

UNIT-1 **5 Hrs.**

Introduction to education: Meaning of education, aims, function and principles. Philosophy of education Factors influencing development of Philosophy of nursing education.

UNIT-2 **5 Hrs.**

Teaching learning process: Nature and characteristics of learning, Principles and maxims of teaching, Formulating objectives, Lesson planning.

UNIT-3 **15 Hrs.**

Methods of teaching : Teaching methods: Lecture, Discussion, Demonstration, Group discussion ,Project ,Role-play ,Panel discussion ,Symposium, Seminar, Field trip, Workshop, Exhibition, Programmed instruction ,Computer assisted learning., **Clinical teaching methods:** Case methods ,case presentation ,nursing rounds and reports, bedside clinic conference (individual and group),recording of interaction process.

UNIT-4 **10 Hrs.**

Educational media : The communication process: factors affecting Communication. Purposes and types of audio-visual aids. Graphics aid: chalk-board, charts, graphs, posters, flash cards, flannel graph/khadigraph, bulletin, cartoon, Three dimensional aids: objects, specimen, models, puppets. Printed aids: pamphlets and leaflets, Projected aids: slides, films and televisions, VCR, VCP, overhead projector, camera, microscope. Audio-aids: tape-recorder, public address system, computer

UNIT-5**7 Hrs.**

Methods of assessment: Purpose and scope of evaluation and assessment, Criteria for selection of assessment techniques and methods, Assessment of knowledge: essay type question, SAQ (Short Answer Questions), MCQ (multiple choice questions), Assessment of skills: Observation, Check list. Practical Examination, Viva, Objective structured, clinical examination. Assessment of attitude: Attitude scale

UNIT-6**7 Hrs.**

Management of School of Nursing: Planning of School of nursing, organization. Recruitment of teaching staff, budget, facilities for the school, student selection and admission procedure, administrative planning for students, welfare services for students, maintenance of school records, preparation of annual reports. INC guidelines for school of nursing.

UNIT-7**6 Hrs.**

Guidance and Counseling: Definition, Basic principles of guidance and counseling, Organization of guidance and counseling services, counseling process, managing disciplinary problems, Management of crisis

UNIT- 8**5 Hrs.**

In-service education: Introduction to nature and scope of in-service education programme, Principles of adult learning, Planning for in-service programme, Techniques, and methods of staff education programme, Evaluation of in-service programme

TEXT BOOKS:

1. Sankar Narayanan – Education & Communication Technology, 2007, Brainfill
2. Young – Teaching Nursing, 2008, LWW
3. Neeraja – Nursing Education, 2008, Jaypee
4. Sharma “Nursing education”
5. Sankaranarayanan “Learning and teaching nursing”
6. Sudha “Nursing education “

REFERENCE BOOKS:

1. Bosek – Ethical Component of Nursing Education, LWW
2. Mariner – Teaching Nursing, 2008, Elsevier
3. Smith - The Legal, Professional and Ethical Dimensions of Higher Education, Kluwer in
4. Keating – Curriculum Development Nursing, Wolters Kluwer.
5. Moyer & Wittmann “Nursing education”
6. Sodhi “T/B of nursing education”

SEMESTER/YEAR : II YEAR
COURSE CODE : 16PB205
TITLE OF THE COURSE : **INTRODUCTION TO NURSING ADMINISTRATION**
L: T/A:P: C : 60 :2 : 180 : 0

COURSE OBJECTIVES:

To give an opportunity to the student to gain an understanding of the principles of administration and its application to nursing service. It is also intended to assist the students to develop an understanding of professional leadership need.

COURSE OUTCOMES:

1. Identify the principles of administration
2. Describe the principles and techniques of supervision
3. Explain the principles and methods of personnel management
4. Explain the principles of budgeting

UNIT-1 **6 Hrs.**

Principles and Practice of Administration : Significance, elements and principles of administration, Organization of Hospital -Definition, Aims, functions and classifications, health team. Policies of hospital, different departments with special emphasis to department of nursing & office management. Responsibilities of the nursing personnel especially of ward sister, medico legal aspects, concept of cost effectiveness.

UNIT -2 **12 Hrs.**

Nursing Unit Management: Physical layout of a nursing unit and necessary facilities, Factors affecting the quality of nursing care. Maintenance of a therapeutic environment, Administration of the unit -management of patient care. ,Maintenance of physical environment., Assignment of duties and time plan., Patient assignment, safety measures, prevention of accidents and infections, Maintenance of patients records and reports, legal responsibilities., Maintenance of quality nursing care, nursing audit.

UNIT -3 **10 Hrs.**

Personnel management: Staff recruitment and selection, appointment, promotions, personnel policies and job, descriptions, Job analysis. Staffing the unit, staffing norms, rotation plan, leave planning, performance appraisal, staff welfare and management of disciplinary problems.

UNIT –4**8 Hrs.**

Supervision: Principles of supervision, nature and objectives. Tools and techniques of supervision, Evaluation, Nursing audit, Staff development - orientation program, Skill training, Leadership development. Problem solving process.

UNIT – 5**8 Hrs.**

Material Management: Principles of material management, Quality control. Inventory, care of equipment, safekeeping, Role of nursing personnel in material management.

UNIT – 6**6 Hrs.**

Financial Management: Budgeting - Principles of budgeting, audit.

UNIT – 7**10 Hrs.**

Organizational Behavior: Group dynamic and human relation, organizational communication (hospital information system) Public relations, leadership styles and functions. Methods of reporting. Maintaining records

TEXT BOOKS:

1. Hedgerken Loretta E, Teaching and Learning in School of Nursing, J.B. Lippincott Co., 1987, New Delhi. 2. Tomyay de Rheba, Thompson, Strategies for Teaching Nursing, Willey Medical Publisher, 1982, New York.
2. Brown Amy W.B, Curricular Development, Saunders Co., Phildelphia.
3. Tyler Ralph.W, Basic Principles of Curriculum and Instruction, University of Chicago, Phildelphia.
4. Gillbert, J.J, Educational Hand Book for Health Personnel WHO, 1981, Geneva.
5. 6.Anderson “Nursing leadership and management”

REFERENCE BOOKS:

1. Finkelman”Leadership and management in nursing

SEMESTER/YEAR	: II YEAR
COURSE CODE	: 16PB291
TITLE OF THE COURSE	: INTRODUCTION TO NURSING RESEARCH AND STATISTICS
L: T/A:P: C	: 45 :2 : 120 : 0

COURSE OBJECTIVES:

To assist the students to develop an understanding of basic concepts of research and statistics, use the findings of nursing research in nursing practice, apply the knowledge in conducting project(s) and solve problems related to nursing using scientific method

COURSE OUTCOMES:

1. Define the terms and concepts of nursing research
2. Identify needs and scope of nursing research
3. Identify and define a research problem
4. Locate and list sources of literature for a specific study
5. Describe different research approaches, methods of data collection and sampling techniques with a special reference to survey method.
6. Develop tool for data collection
7. Enumerate steps of data analysis and present data summary in tabular form
8. Use descriptive and co-relational statistics in data analysis
9. Conduct a group research project

UNIT -1 **5 Hrs.**

methods: Definition of research, Need for nursing research, Characteristics of good research. Research Process

UNIT -2 **5 Hrs.**

Statement of research problem: Statement of purpose and objectives. Definition of research terms. Review of literature

UNIT -3 **3 Hrs.**

Research approaches: Historical, survey and experimental

UNIT -4 **4 Hrs.**

Sampling Techniques and methods of data: Collection. Sampling, Instruments-questionnaire. Interview, Observation schedule, records, measurements, Reliability and validity of instruments.

UNIT -5

6 Hrs.

Analysis of Data: Tabulation, Classification and summarization, Presentation, Interpretation of data

Unit-6

3 Hrs.

Communication of research findings: Writing Report, Organizing materials for writing, Format of the report, Use of computers.

B. INTRODUCTION TO STATISTICS

UNIT -1

5 Hrs.

Descriptive Statistics: Frequency Distribution - Types of measure - frequencies, interval, graphic methods of describing frequency. Measures of Central Tendency - Mode, Median and Mean. Measures of variability: Range, Standard deviation, Introduction to normal probability

UNIT -2

4 Hrs.

Correlation: Computation by rank difference methods, Uses of correlation co-efficient

UNIT -3

5 Hrs.

Biostatistics : Crude rates and standardized rates, ratio and estimation of the trends

UNIT -4

5 Hrs.

Introduction to computers in nursing: Introduction to computers and disk -operating system, Introduction to word processing, Introduction to data base, Windows applications, word, excel, power point, multimedia. Use of statistical packages. Introduction to Internet & use of electronic mail, Computer aided teaching & testing

TEXT BOOKS:

1. Mahajan, B.K, Methods in Biostatistics, Jaypee Brothers, 1999, New Delhi.
2. Rose Hott & Budin. Notter's, Essentials of Nursing Research, Springer Publisher, 1999, New York.
3. Patricia Nunhall. Nursing Research, James & Bar, 2001, Canada.
4. Caroly M.H, Research Methods for Clinical Therapists Applied Project Design and Analysis, 1999, Churchill Livingstone.
5. Indrani P.K., T.K, Research Methods for Nurses. Jaypee Brothers, 2005 New Delhi.
6. Basavanthappa, B.T, Nursing Research, Jaypee Brothers, 2003, New Delhi.
7. Suresh Sharma "Nursing Research"
8. Fain "Nursing research"

REFERENCE BOOKS:

1. Nirmala V "Research methodology in nursing"
2. Tendolkar "Nursing research and biostatistics"
3. Purushothamma "Nursing research & statistics"

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN101
TITLE OF THE COURSE : NURSING EDUCATION - THEORY
L: T/A: P: C : 150:2: 150: 0

COURSE OBJECTIVES:

1. To assist students to develop a broad understanding of Fundamental Principles, concepts, trends and issues related to education and nursing education.
2. It would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

COURSE OUTCOMES:

1. Explain the aims of education, philosophies, trends in education and health: its impact on nursing education
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing.
9. Demonstrate skill in guidance and counseling.
10. Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.
14. Explain the concept, principles, steps, tools and techniques of evaluation
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude

UNIT -1**10 Hrs.**

Introduction: Education - Definition, aims, concepts, philosophies & their education implications, Impact of Social, economical, political & technological changes on education, Professional education, Current trends and issues in education, Educational reforms and **National Educational policy, various educational commissions-reports, Trends in development of nursing education in India.**

UNIT -2**20Hrs.**

Teaching – Learning Process: Concepts of teaching and learning - Definition, theories of teaching and learning, relationship between teaching and learning, Educational aims and objectives; types, domains, levels, elements and writing of educational objectives, Competency based education(CBE) and outcome based education(OBE), Instructional design - Planning and designing the lesson, writing lesson plan - meaning, its need and importance, formats, Instruction strategies – Lecture, discussion, demonstration, simulation, laboratory, seminar, panel, symposium, problem solving, problem based learning (PBL), workshop, project, role-play(socio drama), clinical teaching methods, programmed instruction, self-directed learning(SDL), micro teaching, computer assisted instruction(CAI), computer assisted learning (CAL).

UNIT -3**10Hrs.**

Instructional media and methods : Key concepts in the selection and use of media in education, Developing learning resource material using different media, Instructional aids – types, uses, selection, preparation, utilization, Teacher's role in procuring and managing instructional Aids – Project and non-projected aids, multimedia, video-tele conferencing etc.

UNIT -4**10 Hrs.**

Measurement and evaluation : Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement, Principles of assessment, formative and summative assessment - internal assessment, external examination, advantages and disadvantage, Criterion and norm referenced evaluation.

UNIT -5**12Hrs.**

Standardized and non-standardized tests: Meaning, characteristics, objectivity, validity, reliability, usability, norms, construction of tests- Essay, short answers questions and multiple choice questions, Rating scales, checklist, OSCE/OSPE (Objective structured clinical/practical examination), Differential scales, and summated scales, sociometry, anecdotal record, attitude scale, critical incident technique, Question bank-preparation, validation, moderation by panel, utilization, Developing a system for maintaining confidentiality.

UNIT -6 **8 Hrs.**

Administration, Scoring and Reporting: Administering a test; scoring, grading versus marks, Objective tests, scoring essay test, methods of scoring, Item analysis.

UNIT -7 **12 Hrs.**

Standardized Tools: Tests of intelligence aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities.

UNIT -8 **5 Hrs.**

Nursing Educational programs: Perspectives of nursing education - Global and national, Patterns of nursing education and training programmes in India, Non-university and University programs: ANM, GNM, Basic B.Sc. Nursing, Post Certificate B.Sc. Nursing, M.Sc. (N) programs, M.Phil. and Ph.D.) in Nursing, post basic diploma programs, nurse practitioner programs.

UNIT -9 **12Hrs.**

Continuing Education in Nursing :Concepts – Definition, importance, need scope, principles of adult learning, assessments of learning needs, priorities, resources, Program planning, implementation and evaluation of continuing education programs, Research in continuing education, Distance education in nursing.

UNIT -10 **10Hrs.**

Curriculum Development :Definition, curriculum determinants, process and steps of curriculum development, Curriculum models, Types and framework, Formulation of philosophy, objectives, selection and organization of learning experiences; master plan, course plan, unit plan. Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders, Equivalency of courses: Transcripts, credit system.

UNIT -11 **8 Hrs.**

Teacher preparation: Teacher – roles & responsibilities, functions, characteristics, competencies, qualities, Preparation of professional teacher, Organizing professional aspects of teacher preparation programs, Evaluation: self and peer, Critical analysis of various programs of teacher education in India.

UNIT -12 **10 Hrs.**

Guidance and counseling: Concept, principles, need, difference between guidance and counseling, trends and issues. Guidance and counseling services: diagnostic and remedial. Coordination and organization of services. Techniques of counseling: Interview, case work,

characteristics of counselor, problems in counseling. Professional preparation and training for counseling.

UNIT -13

15Hrs.

Administration of Nursing Curriculum: Role of curriculum coordinator – planning, implementation and evaluation. Evaluation of educational programs in nursing course and program. Factors influencing faculty staff relationship and techniques of working together. Concept of faculty supervisor (dual) position. Curriculum research in nursing. Different models of collaboration between education and service.

UNIT-14

10Hrs.

Management of nursing educational institutions: Planning, organizing, staffing, budgeting, recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel.

UNIT -15

5Hrs.

Development and maintenance of standards and accreditation in nursing education programs : Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University, Role of Professional associations and unions.

TEXT BOOK:

1. F.R.Abbatt, Teaching for Better Learning, 2nd Edition, W.H.O, Geneva 1992
2. Veerabhadrappe, The short Text Book of Nursing Education, 1st Edition, Jaypee Brothers Publication, 2011.
3. Heidgerkein, Teaching and learning in Schools of Nursing, 2nd Edition, J.B.Lipincott publication, Philadelphin.
4. J.J.Gillbert, Educational Hand Book for Health Personnel, W.H.O.
5. Bastable, Nurse as Eductor, Principles of Teaching and Learning for Nursing Practices, Jones and Barlett publications 2003.
6. Verginia.C.Conley, Curriculum and instruction in Nursing, Little Brown & Co publication, New Delhi.

REFERENCE BOOK:

1. Neeraja, Text Book of Communication and Education technology for nurses, 1st Edition, Jaypee Brothers Publication, 2011.
2. Sankaranarayanan, Learning and teaching nursing, 4th Edition, Jaypee Brothers Publication, 2012.
3. Ananth Krishnan, N.Setguraman, K.R.Santosh Kumar, Medical Education Principles and Practice, 2nd Edition, National Teacher Training Centre publication, Pondicherry, 2000.

SEMESTER/YEAR	: I YEAR
COURSE CODE	: 16MSN102
TITLE OF THE COURSE	: ADVANCE NURSING PRACTICE
L: T/A: P: C	: 150:2: 200: 0

COURSE OBJECTIVES: Develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

COURSE OUTCOMES:

1. Appreciate and analyze the development of nursing as a profession.
2. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Describe scope of nursing practice.
6. Provide holistic and competent nursing care following nursing process approach.
7. Identify latest trends in nursing and the basis of advance nursing practice.
8. Perform extended and expanded role of nurse.
9. Describe alternative modalities of nursing care.
10. Describe the concept of quality control in nursing.
11. Identify the scope of nursing research.
12. Use computer in patient care delivery system and nursing practice.
13. Appreciate importance of self-development and professional.

UNIT -1

10 Hrs.

Nursing as a Profession: History of development of nursing profession, characteristics, criteria of the profession, perspective of nursing profession-national, global, Code of ethics(INC), code of professional conduct(INC), autonomy and accountability, assertiveness, visibility of nurses, legal considerations, Role of regulatory bodies, Professional organizations and unions-self-defense, individual and collective bargaining, Educational preparations, continuing education, career opportunities, professional advancement & role and scope of nursing education, Role of research, leadership and management, Quality assurance in nursing (INC), Futuristic nursing.

UNIT-2

5 Hrs.

Health care delivery: Health care environment, economics, constraints, planning process, policies, political process vis a vis nursing profession, Health care delivery system- national, state, district and local level, Major stakeholders in the health care system- Government, non-govt, Industry and other professionals, Patterns of nursing care delivery in India, Health care delivery concerns, national health and family welfare programs, inter- sectoral coordination, role of nongovernmental agencies, Information, education and communication (IEC), Tele-medicine.

UNIT -3

10 Hrs.

Genetics : Review of cellular division, mutation and law of inheritance, human genome project, The Genomic era, Basic concepts of Genes, Chromosomes & DNA, Approaches to common genetic disorders, Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, Ethical, legal & psychosocial issues in genetic testing, Genetic counseling, Practical application of genetics in nursing.

UNIT -4

10 Hrs.

Epidemiology : Scope, epidemiological approach and methods, Morbidity, mortality, Concepts of causation of diseases and their screening, Application of epidemiology in health care delivery, Health surveillance and health informatics, Role of nurse.

UNIT - 5

20 Hrs.

Bio-Psycho social pathology : Pathophysiology and Psychodynamics of disease causation, Life processes, homeostatic mechanism, biological and psycho-social dynamics in causation of disease, life style, Common problems - Oxygen insufficiency, fluid and electrolyte imbalance, nutritional problems, hemorrhage and shock, altered body temperature, unconsciousness, sleep pattern and its disturbances, pain, sensory deprivation, Treatment aspects: pharmacological and pre- post-operative care aspects, Cardio pulmonary resuscitation, End of life Care, Infection prevention (including HIV) and standard safety measures, bio-medical waste management, Role of nurse, Evidence based nursing practice, Best practices, Innovations in nursing.

UNIT - 6

20 Hrs.

Philosophy and Theories of Nursing: Values, Conceptual models, approaches,

Nursing theories : Nightingale's, Henderson's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Neumann's, Roy's, Watson's, etc and their applications, Health belief models, communication and management etc., Concept of Self health, Evidence based practice model.

UNIT -7**10Hrs.**

Nursing process approach : Health Assessment- illness status of patients/clients (Individuals, family, community), Identification of health illness problems, health behaviors, signs and symptoms of clients, Methods of collection, analysis and utilization of data relevant to nursing process, Formulation of nursing care plans, health goals, implementation, modification and evaluation of care.

UNIT - 8**30 Hrs.**

Psychological aspects and Human relations : Human behavior, Life processes & growth and development, personality development, defense mechanisms, Communication, interpersonal relationships, individual and group, group dynamics, and organizational behavior, Basic human needs, Growth and development, (Conception through preschool, School age through adolescence, Young & middle adult, and Older adult), Sexuality and sexual health, Stress and adaptation, crisis and its intervention, Coping with loss, death and grieving, Principles and techniques of Counseling.

UNIT - 9**10 Hrs.**

Nursing practice : Framework, scope and trends, Alternative modalities of care, alternative systems of health and complimentary therapies, Extended and expanded role of the nurse in promotive, preventive, curative and restorative health care delivery system in community and institutions, Health promotion and primary health care, Independent practice issues, Independent nurse-midwifery practitioner, Collaboration issues and models-within and outside nursing, Models of Prevention, Family nursing, Home nursing, Gender sensitive issues and women empowerment, Disaster nursing, Geriatric considerations in nursing, Evidence based nursing practice- Best practices, Trans-cultural nursing.

UNIT - 10**25 Hrs.**

Computer applications for patient care delivery system and nursing practice: Use of computers in teaching, learning, research and nursing practice, Windows, MS office: Word, Excel, Power Point, Internet, literature search, Statistical packages, Hospital management information system, and software.

TEXT BOOK:

1. Dugas, Introduction to Patient care, 2nd Edition, W.B.Saunders publication, 2002.
2. Taylor, Fundamental of Nursing, 3rd Edition, Lippincott publication, 2001.
3. Morgen & King, Introduction to Psychology, 7th Edition, Mc.Graw Hill publication, 1993.
4. Inderbir Singh, Human Embryology, 7th Edition, Mc.Millum publication, Delhi, 2001.

5. Park.K, Text book of Preventive and social medicine, 18th Edition, Barasidal Bhanot, Jabalpur, 2005.

REFERENCE BOOK:

1. Potter and Perry, Fundamentals of Nursing, 2nd Edition, Mosby publication, 2001.
2. White Lois, Basic Nursing Foundation, 1st Edition, Delmer publication, Australia, 2002.
3. Joel Lucille.A, Advance Practice Nursing Essentials for Role development, 3rd Edition, FA Davis Publication, 2013.
4. Stanley Joan.M, Advance Practice Nursing Exphasizing common Roles, 3rd Edition, FA Davis Publication, 2014.
5. Parker, Nursing Theories, 1st Edition, Jaypee Brothers Publication, 2007

Practical

Clinical posting in the following areas:

- Specialty area – in – patient unite - 2 weeks
- Community health center / PHC - 2 weeks
- Emergency / ICU - 2 weeks

Activities

- Prepare case studies with nursing process approach and theoretical basis.
- Presentation of comparative picture of theories
- Family case – work using model of prevention
- Annotated bibliography
- Report of field visits (5)

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN103
TITLE OF THE COURSE : NURSING RESEARCH AND STATISTICS
L: T/A: P: C : 100:2: 50: 0

COURSE OBJECTIVES:

1. Assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan.
2. It will enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

COURSE OUTCOMES:

1. Define basic research terms and concepts.
2. Review literature utilizing various sources
3. Describe research methodology
4. Develop a research proposal.
5. Conduct a research study.
6. Communicate research findings
7. Utilize research findings
8. Critically evaluate nursing research studies.
9. Write scientific paper for publication.

PART – A - NURSING RESEARCH-THEORY

UNIT -1 **10 Hrs.**

Introduction: Methods of acquiring knowledge – problem solving and scientific method, Research– Definition, characteristics, purposes, kinds of research, Historical Evolution of research in nursing, Basic research terms, Scope of nursing research: areas, problems in nursing, health and social research, Concept of evidence based practice, Ethics in research, Overview of Research process.

UNIT – 2 **5 Hrs.**

Review of Literature: Importance, purposes, sources, criteria for selection of resources and steps in reviewing literature.

UNIT – 3 **12 Hrs.**

Research Approaches and designs: Type - Quantitative and Qualitative, Historical, survey and experimental –Characteristics, type's advantages and disadvantages, Qualitative: Phenomenology, grounded theory, ethnography.

UNIT - 4 **10 Hrs.**

Research problem: Identification of research problem, Formulation of problem statement and research objectives, Definition of terms, Assumptions and delimitations, Identification of variables, Hypothesis – definition, formulation and types.

UNIT - 5 **5 Hrs.**

Developing theoretical/conceptual framework: Theories: Nature, characteristics, Purpose and uses, Using, testing and developing conceptual framework, models and theories.

UNIT - 6 **6 Hrs.**

Sampling: Population and sample, Factors influencing sampling, Sampling techniques, Sample size, Probability and sampling error, Problems of sampling.

UNIT - 7 **20 Hrs.**

Tools and methods of Data collection: Concepts of data collection, Data sources, methods / techniques quantitative and qualitative, Tools for data collection – types, characteristics and their Development, Validity and reliability of tools, Procedure for data collection.

UNIT - 8 **5 Hrs.**

Implementing research plan: Pilot Study, review research plan (design), planning for data collection, administration of tool/interventions, and collection of data.

UNIT - 9 **10 Hrs.**

Analysis and interpretation of data: Plan for data analysis: quantitative and qualitative, Preparing data for computer analysis and presentation, Statistical analysis, Interpretation of data, Conclusion and generalizations, Summary and discussion.

UNIT - 10 **10Hrs.**

Reporting and utilizing research findings: Communication of research results, oral and written, writing research report purposes, methods and style Vancouver, American Psychological Association (APA), Campbell etc., writing scientific articles for publication: purposes & style.

UNIT - 11 **3 Hrs.**

Critical analysis of research reports and articles.

UNIT - 12 **4 Hrs.**

Developing and presenting a research proposal.

TEXT BOOK:

1. Polit Q Hunglai, Principles of Nursing Research, 7th Edition, Publication, (2003)
2. Basavanthappa, Nursing Research, 1st Edition, Jaypee publications, New Delhi, 1998.
3. Nirmala .V, Research Methodology in Nursing, 1st Edition, Jaypee Brothers publications, New Delhi, 2011.

REFERENCE BOOK:

1. Burns Nancy, Understanding of Research, 2nd Edition, Saunders Publications, Philadelphia, 2002.
2. Fransis C.M, Medical Ethics, 2nd Edition, Jaypee publications, New Delhi, 200

Activities

- Annotated Bibliography of research reports and articles.
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical/conceptual framework.
- Preparation of a sample research tool
- Analysis and interpretation of given data
- Developing and presenting research proposal
- Journal club presentation
- Critical evaluation of selected research studies
- Writing a scientific paper.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN104
TITLE OF THE COURSE : **NURSING RESEARCH AND STATISTICS**
L: T/A: P: C : 100:2: 50: 0

COURSE OBJECTIVES:

Develop an understanding of the statistical methods and apply them in conducting research studies in nursing.

COURSE OUTCOMES:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully.
4. Use descriptive and inferential statistics to predict results.
5. Draw conclusions of the study and predict statistical significance of the results.
6. Describe vital health statistics and their use in health related research.
7. Use statistical packages for data analysis

PART –B: STATISTICS

UNIT - 1 **7 Hrs.**

Introduction : Concepts, types, significance and scope of statistics, meaning of data, sample, parameter, type and levels of data and their measurement, Organization and presentation of data – Tabulation of data, Frequency distribution, Graphical and tabular presentations.

UNIT – 2 **4 Hrs.**

Measures of central tendency: Mean, Median, Mode.

UNIT – 3 **4 Hrs.**

Measures of variability: Range, Percentiles, average deviation, quartile deviation, standard deviation.

UNIT - 4 **3 Hrs.**

Normal Distribution: Probability, characteristics and application of normal probability curve; sampling error.

UNIT – 5**6 Hrs.**

Measures of relationship: Correlation – need and meaning, Rank order correlation, Scatter diagram method, Product moment correlation, Simple linear regression analysis and prediction.

UNIT – 6**5 Hrs.**

Designs and meaning: Experimental designs, Comparison in pairs, randomized block design, Latin Square.

UNIT - 7**8 Hrs.**

Significance of Statistic and Significance of difference between two Statistics (Testing hypothesis) : Non parametric test – Chi-square test, Sign, median test, Mann Whitney test, Parametric test – ‘t’ test, ANOVA, MANOVA, and ANCOVA.

UNIT – 8**5 Hrs.**

Use of statistical methods in psychology and education: Scaling – Z score, Z Scaling, Standard Score and T Score, Reliability of test Scores: test-retest method, parallel forms, split half method.

UNIT – 9**4 Hrs.**

Application of statistics in health: Ratios, Rates, Trends, Vital health statistics – Birth and death rates, Measures related to fertility, morbidity and mortality.

UNIT – 10**4 Hrs.**

Use of Computers for data analysis: Use of statistical package.

Text Book

1. Sundar Rao, Introduction to Bio Statistics and Research Methods, 5th Edition, Jaypee Brothers Publications, 2009.

Reference Book

1. Sharma Suresh.k, Nursing Research and Statistics, 2nd Edition, Elsevier publications, 2014.

Activities

1. Exercise on organization and tabulation of data.
2. Graphical and tabular presentation of data.
3. Calculation of descriptive and inferential statistics (chi square, t-test, Correlation)
4. Practice in using statistical package
5. Computing vital health statistics.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN105
TITLE OF THE COURSE : **MEDICAL – SURGICAL NURSING**
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in depth knowledge in the field of medical Surgical Nursing.
2. It will help students to appreciate the patient as a holistic individual and develop skill to function as a specialized Medical-Surgical Nurse.
3. It will enable the student to function as educator, manager and researcher in the field of Medical – Surgical Nursing.

COURSE OUTCOMES:

1. Appreciate the trends & issues in the field of Medical – Surgical Nursing as a specialty.
2. Apply concepts & theories related to health promotion.
3. Appreciate the client as a holistic individual.
4. Perform physical, psychosocial assessment of Medical – Surgical patients.
5. Apply Nursing process in providing care to patients.
6. Integrate the concept of family centered nursing care with associated disorder such as genetic, congenital and long-term illness.
7. Recognize and manage emergencies with Medical- Surgical patients.
8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
9. Appreciate the legal & ethical issues relevant to Medical – Surgical Nursing.
10. Prepare a design for layout and management of Medical – Surgical Units.
11. Appreciate the role of alternative systems of Medicine in care of patients.
12. Incorporate evidence based Nursing practice and identifies the areas of research in the field of Medical – Surgical Nursing.
13. Recognize the role of Nurse practitioner as a member of the Medical – Surgical health team.
14. Teach Medical – Surgical nursing to undergraduate nursing students & in-service nurses.

UNIT – 1**5 Hrs.**

Introduction : Historical development of Medical- Surgical Nursing in India, Current status of health and disease burden in India, Current concept of health, Trends & issues in Medical – Surgical Nursing, **Ethical & cultural issues in Medical – Surgical Nursing, Rights of patients, National health policy, special laws & ordinances relating to older people, National goals,** Five year plans, National health programs related to adult health.

UNIT – 2**20 Hrs.**

Health Assessment of patients: History taking, Physical examination of various systems, Nutritional assessment, related investigations and diagnostic assessment.

UNIT – 3**5 Hrs.**

Care in hospital settings: Ambulatory care, Acute and Critical care, Long term care, Home Health Care, Characteristics, care models, practice settings, interdisciplinary team, Hospitalization- effects of hospitalization on the patient & family, Stressors & reactions related to disease process, Nursing care using Nursing process approach.

UNIT – 4**10 Hrs.**

Management of patients with disorders of Gastro intestinal tract : Review of anatomy and physiology, Common Disorders-etiology, Patho physiology, Clinical manifestations, Complications, prognosis, Health assessment- History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 5**10 Hrs.**

Management of patients with disorders of nervous system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 6**10 Hrs.**

Management of patients with disorders of respiratory system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 7**10 Hrs.**

Management of patients with disorders of cardio vascular system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 8**5 Hrs.**

Management of patients with disorders of blood : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 9**10 Hrs.**

Management of patients with disorders of genito urinary system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 10**10 Hrs.**

Management of patients with disorders of endocrine system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 11**10Hrs.**

Management of patients with disorders of musculo-skeletal system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 12**8 Hrs.**

Management of patients with disorders of integumentary system: Review of anatomy and physiology. Common Disorders- etiology, Patho-physiology, Clinical manifestations, complications, prognosis. Health assessment-History taking, physical examination, investigation and diagnostic assessment. Treatment modalities and trends. Nursing management. Related research studies. Evidence based nursing practice. Rehabilitation and follow-up.

UNIT -13**5 Hrs.**

Management of patients with disorders of Eye and ENT : Review of anatomy and physiology, Common Disorders-etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 14**8 Hrs.**

Management of patients with disorders of reproductive system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 15**8 Hrs.**

Geriatric nursing : Nursing Assessment-History and Physical assessment, Ageing, Demography; Myths and realities, Concepts and theories of ageing, Cognitive Aspects of Ageing, Normal biological ageing, Age related body systems changes, Psychosocial Aspects of Aging, Medications and elderly, Stress & coping in older adults, Common Health Problems & Nursing Management, Psychosocial and Sexual, Abuse of elderly, Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual, Role of nurse for caregivers of elderly, Role of family and formal and non-formal caregivers, Use of aids and prosthesis (hearing aids, dentures), Legal & Ethical Issues, Provisions and Programmes for elderly; privileges, Community Programs and health services, Home and institutional care, Issues, problems and trends.

UNIT –16**8 Hrs.**

Management of patients with communicable and sexually transmitted diseases : Review of immune system, common Disorders of immune system – HIV/AIDS, Review of infectious disease process, Communicable Diseases- etiology, Patho-physiology, Clinical

manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow up.

UNIT -17

8 Hrs.

Emergency, trauma and multi-system organ failure : DIC (disseminated intravascular coagulation), Trauma, burns, poisoning, Etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

Management of patients with communicable and sexually transmitted diseases: Review of immune system, Common Disorders of immune system – HIV/AIDS, Review of infectious disease process,

TEXT BOOKS

1. Baughman Diane.C, Hand Book for Brunner Suddarth's Text Book of Medical Surgical Nursing, 1st Edition , Lippincott publication, New york, 1996.
2. Black Joyce, Medical Surgical Nursing, Clinical Management for Continuity of Care Vol I & Vol II, 5th Edition, Harcourt Brace publication, Singapore, 1998.
3. Phipps Wilma J, Shafer's Medical Surgical Nursing, 7th Edition, B.T publication, Bangalore, 1995.

REFERENCE BOOKS

1. Smeltzer. S.C, Bare.B.G, Brunner and Suddarth's Text Book of Medical Surgical Nursing, 10th Edition, Lippincott publication, Newyork, 2004.
2. Lee Richarved, Medical Care of the Pregnant Patient, 1st Edition, American college publication, Philadelphia, 2000.

PRACTICAL

Total = 660 hours

1 Week = 30 hours

S.No.	Dept/Unit	No. of Week		Total Hours
1	General Medical Ward	4		120 Hours
2	General Surgical Ward	4		120 Hours
3	ICUs	4		120 Hours
4	Oncology	2		60 Hours
5	Ortho	2		60 Hours
6	Cardio	2		60 Hours
7	Emergency Department	2		60 Hours
8	Neuro	2		60 Hours
	Total	22 Weeks		660 Hours

- Student Activities:
- Clinical presentation
- History taking
- Health Assessment
- Nutritional Assessment
- Health Education related to disease conditions
- Case studies
- Project work
- Field visits

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN106
TITLE OF THE COURSE : **OBSTETRIC AND GYNAECOLOGICAL NURSING**
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in depth understanding in the field of Obstetric and Gynecological Nursing.
2. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner.
3. It will enable the student to function as educator, manager, and researcher in the field of Obstetric and Gynecological nursing.

COURSE OUTCOMES:

1. Appreciate the trends in the field of midwifery, obstetrics and gynecology as a specialty.
2. Describe the population dynamics and indicators of maternal and child health
3. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium.
4. Provide comprehensive nursing care to women during reproductive period and newborns.
5. Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynecological nursing.
6. Identify and analyze the deviations from normal birth process and refer appropriately.
7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse
8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation
9. Describe the role of various types of complementary and alternative therapies in obstetric and gynecological nursing.
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynecological nursing.
11. Describe the recent advancement in contraceptive technology and birth control measures
12. Appreciate the legal and ethical issues pertaining to obstetric and gynecological nursing

UNIT – 1**10 Hrs.**

Introduction : Historical and contemporary perspectives, Epidemiological aspects of maternal and child health, Magnitude of maternal and child health problems, Issues of maternal and child health -Age, Gender, Sexuality, psycho Socio cultural factors, Preventive obstetrics, National health and family welfare programmes related to maternal and child health: health care delivery system- National Rural health mission, Role of NGO's, Theories, models and approaches applied to midwifery practice, Role and scope of midwifery practice: Independent Nurse midwifery practitioner, Legal and Ethical issues: Code of ethics and standards of midwifery practice, standing orders, Evidence based midwifery practice, Research priorities in obstetric and gynecological nursing.

UNIT - 2**15 Hrs.**

Human reproduction: Review of anatomy and physiology of human reproductive system: male and female, Hormonal cycles, Embryology, Genetics, teratology and counseling, Clinical implications.

UNIT – 3**25 Hrs.**

Pregnancy :Maternal adaptation : Physiological, psychosocial, Assessment – Maternal and foetal measures, Maternal measures: History taking , examination- General, physical and obstetrical measure, identification of high risk, Foetal measure- clinical parameters, biochemical- human estriol, Maternal Serum Alfa Feto Protein, Acetyl Choline esterase (AchE), Triple Test Aminocentesis, Cordocentesis, chorionic villus sampling (CVS)), Biophysical- (US IMAGING, Foetal movement count, Ultra Sonography, Cardiotocography, cardio tomography, Non Stress Test(NST), Contraction stress test(CST), amnioscopy, foetoscopy, Radiological examination, Interpretation of diagnostic tests and nursing implications, Nursing management of the pregnant women, minor disorders of pregnancy and management, preparation for child birth and parenthood, importance of institutional delivery , choice of birth setting, importance and mobilizing of transportation, prenatal counseling, role of nurse and crisis intervention, identification of high risk pregnancy and refer, Alternative/complementary therapies.

UNIT - 4**25 Hrs.**

Normal labour and nursing management: Essential factors of labour, Stages and onset First stage - physiology of normal labour, Use of partograph: Principles, use and critical analysis, evidence based studies, Analgesia and anesthesia in labour, nursing management second stage - Physiology, intrapartum monitoring, nursing management, Resuscitation, immediate newborn care and initiate breast feeding (Guidelines of National neonatology forum of India) Third Stage - Physiology and nursing management, Forth Stage – observation, critical analysis and nursing management, various child birth practice: water birth, position change etc., Evidence based practice in relation to labour intervention, Role

of nurse midwifery practitioner, Alternative/complementary therapies.

UNIT – 5

20 Hrs.

Normal puerperium and nursing management: Physiology of puerperium, Physiology of lactation, lactation management, and exclusive breast feeding, Baby friendly hospital initiative (BFHI), Assessment of postnatal women, minor discomforts & complications of puerperium. Management of mothers during puerperium: Postnatal exercises. Rooming in, bonding, warm chain, Evidence based studies, role of nurse midwifery practitioner, Alternative / complementary therapies.

UNIT – 6

20 Hrs.

Normal newborn :Physiology and characteristics of normal newborn, Physical and Behavioral assessment of newborn, Needs of newborn, essential newborn care: Exclusive breast feeding, Immunization, Hygiene measures, Newborn nutrition, Organization of neonatal care services (levels), transportation, neonatal intensive care unit, organization and management of nursing services in NICU, Observation and care of newborn, Parenting process.

UNIT – 7

10 Hrs.

Pharmaco dynamics in obstetrics : Drugs used in pregnancy, labour, post-partum and newborn, Calculation of drug dose and administration, Effects of drugs used, Anesthesia and analgesia in obstetrics, Roles and responsibilities of midwifery nurse practitioner, Standing orders, use of selected lifesaving drugs and interventions of obstetric emergencies approved by the MOHFW.

UNIT – 8

10 Hrs.

Family welfare services :

contraceptive technology, Role of nurses in family welfare programmes in all settings, Role of independent nurse midwifery practitioner, Family life education, Information, Education and Communication(IEC), Management information and evaluation system(MIES), Teaching and supervision of health team members.

UNIT – 9

5Hrs.

Infertility: Primary and secondary causes, Diagnostic procedures, Counseling - Ethical and legal aspects of assisted reproductive technology (ART), Recent advancement in infertility management, Adoption procedures, Role of nurses in infertility management.

UNIT – 10

5 Hrs.

Menopause : Physiological, psychological & social aspects, Hormone Replacement Therapy, Surgical menopause, Counseling and guidance, Role of midwifery nurse practitioner.

UNIT – 11**5 Hrs.**

Abortion: Types, causes, Legislations, clinical rights and professional responsibility, Abortion procedure, complications, Nursing management, Role of midwifery nurse practitioner.

TEXT BOOK

1. Myles Margret, A Textbook of Midwives, 14th Edition, Churchill L Publication, New York, 2004.
2. Ann Page L, The New Midwifery Science & Sensitive in Practice, 1st Edition, Churchill L Publication, Toronto, 2000.
3. Welford Heather, A Marshall Health Guide Pregnancy, 1st Edition, Marshall Publication, London, 1998.
4. Lee Richard V Ed, Medical Care of the Pregnant Patient, 1st Edition, American College Publication, Philadelphia, 2000.

REFERENCE BOOK

1. Alexander J.O, Midwifery Practice Care Topics, 1st Edition, Macmillan Publication, London, 1996.
2. KargarIshbel Ed, Challenges in Midwifery Care, 1st Edition, Macmillan Publication, London, 1997.
3. James David K, High Risk Pregnancy Managements option, 2nd Edition, W.B.Saunders Publication, London, 1997.

Practical

Total = 660 hours
1 Week = 30 hours

S. No.	Dept./Unit	No. of Week	Total Hours
1	Antenatal Wards & OPDs	4	120 Hours
2	Labour Room	5	150 Hours
3	Postnatal Ward	2	60 Hours
4	Family Planning Clinics	2	60 Hours
5	PHC / Rural maternity settings	4	120 Hours
6	Gynae	2	60 Hours
7	Maternity OT	2	60 Hours
8	NICU	1	30 Hours
	Total	22 Weeks	660 Hours

Procedures observed

- Diagnostic investigations : amniocentesis, chorionic villi sampling
- Infertility management: artificial reproduction: artificial insemination, invitro fertilization, and related procedures.

Procedures assisted

- Medical termination of pregnancy

Procedures performed

- Antenatal assessment – 20
- Postnatal assessment – 20
- Assessment during labour : use of partograph – 20
- Per vaginal examination – 20
- Conduct of normal deliver – 20
- Episiotomy and suturing – 10
- Setting up of delivery areas
- Insertion of intra uterine devices (copper T)

Others

- Identification of high risk women and referral
- Health education : to women and their families
- Motivation of couples for planned parenthood

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN107
TITLE OF THE COURSE : **CHILD HEALTH NURSING**
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in-depth understanding in the field of Pediatric Nursing.
2. It will help students to appreciate the child as a holistic individual and develop skill to function as neonatal and pediatric nurse specialist.
3. It will further enable the student to function as educator, manager, and researcher in the field of Pediatric nursing.

COURSE OUTCOMES:

1. Appreciate the history and developments in the field of pediatrics and pediatric nursing as a specialty
2. Apply the concepts of growth and development in providing care to the pediatric clients and their families.
3. Appreciate the child as a holistic individual
4. Perform physical, developmental, and nutritional assessment of pediatric clients
5. Apply nursing process in providing nursing care to neonates & children
6. Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness.
7. Recognize and manage emergencies in neonates
8. Describe various recent technologies and treatment modalities in the management of high risk neonates
9. Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing
10. Prepare a design for layout and management of neonatal units
11. Incorporate evidence based nursing practice and identifies the areas of research in the field of pediatric/neonatal nursing
12. Recognize the role of pediatric nurse practitioner and as a member of the pediatric and neonatal health team
13. Teach pediatric nursing to undergraduate students & in-service nurses

UNIT – 1**10 Hrs.**

Introduction : Historical development of Pediatrics and Pediatric Nursing in India, Current status of child health in India, Trends in Pediatrics and Pediatric Nursing, Ethical and cultural issues in pediatric care, Rights of children, National health policy for children, special laws and ordinances relating to children, National goals, Five year plans, National health programs related to child health.

UNIT – 2**10 Hrs.**

Assessment of pediatric clients : History taking, Developmental assessment, Physical assessment, Nutritional assessment, Family assessment.

UNIT – 3**10 Hrs.**

Hospitalized child : Meaning of hospitalization of the child, preparation for hospitalization, effects of hospitalization on the child and family, Stressors and reactions related to developmental stages, play activities for ill hospitalized child, nursing care of hospitalized child and family -principles and practices.

UNIT – 4**15 Hrs.**

Pre-natal Pediatrics : Embryological and fetal development, Prenatal factors influencing growth and development of fetus, Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment and counseling legal and ethical aspects of genetic, screening and counseling role of nurse in genetic counseling, Importance of prenatal care and role of pediatric nurse.

UNIT – 5**15 Hrs.**

Growth and Development of children : Principles of growth and development, Concepts and theories of growth and development, Developmental tasks and special needs from infancy to adolescence, developmental milestones, Assessment of growth and development of pediatric clients, Factors affecting growth and development.

UNIT – 6**15 Hrs.**

Behavioral Pediatrics and Pediatric Nursing : Parent child relationship, Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders- maternal deprivation, failure to thrive, child abuse, the battered child, Common behavioral problems and their management, Child guidance clinic.

UNIT –7**15 Hrs.**

Preventive Pediatrics and Pediatric Nursing : Concept, aims and scope of preventive pediatrics, Maternal health and its influence on child health antenatal aspects of preventive pediatrics, Immunization, expanded program on immunization/ universal immunization

program and cold chain, Nutrition and nutritional requirements of children, changing patterns of feeding, baby- friendly hospital initiative and exclusive breast feeding, Growth chart, Health education, nutritional education for children, Nutritional programs, National and international organizations related to child health, Role of pediatric nurse in the hospital and community.

UNIT -8

30 Hrs.

Neonatal Nursing : New born baby- profile and characteristics of the new born, Assessment of the new born, Nursing care of the new born at birth, care of the new born and family, High risk new born- Identification, classification and nursing management, Highrisk newborn- pre term and term neonate and growth retarded babies, Identification and classification of neonates with infections, HIV & AIDS, Ophthalmic neonatorum, congenital syphilis, Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.

UNIT - 9

30 Hrs.

IMNCI: (Integrated management of neonatal and childhood illnesses)

TEXT BOOK

1. Gupte, Short Textbook of Peadiatrics, 10th Edition, Jaypee Publication, New Delhi, 2004.
2. Tambul Wakhar ,Peadiatric Nursing, Vora Publication, Bombay, 1995.
3. Wong, Whaley & Wong's, Nursing Care of Infants & Children, 5th Edition, Mosby Publication, St.Louis, 1995.
4. Meharban Singh, Care of the New Born, 6th Edition, Sagar Publication, New Delhi, 2004.
5. Marlow Dorothy, Textbook of Peadiatric Nursing, 6th Edition, W.B.Saunders Publication, Philadelphia, 2001.
6. Chellappa J, Peadiatric Nursing, 1st Edition, Gajanana Publication, Bangalore, 2001.
7. Hurlock Elizabeth, Child Growth and Development, 5th Edition, Macgraw Hill Publication, New Delhi, 2004.
8. Rollant P.D, Peadiatric Nursing, 1ST Edition, Mosby Publication, St.Louis, 1996.

REFERENCE BOOK

1. Muscarii Mary E, Peadiatric Nursing, 2nd Edition, Lippincott Publication, Philadelphia, 1996.
2. Behrman R.E. Nelson, Textbook OF Peadiatrics, 1st Edition, Prism Publication, Bangalore, 1996.

3. Ghai O.P, Essential Pediatrics, 4th Edition, Interprint Publication, New Delhi, 1996.

Practical

Total = 660 hours
1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Pediatric Medicine Ward	4	120 Hours
2	Pediatric Surgery Ward	4	120 Hours
3	Labor Room/Maternity Ward	2	60 Hours
4	Pediatric OPD	2	60 Hours
5	NICU	4	120 Hours
6	Creche	1	30 Hours
7	Child Guidance Clinic	1	30 Hours
8	Community	4	120 Hours
	Total	22 Weeks	660 Hours

Student Activities:

- Clinical presentations
- Growth & developmental assessment
- Assessment & prescription of nursing interventions for sick children
- Health education related to disease conditions
- Nutritional assessment
- Project work
- Field visit

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN108
TITLE OF THE COURSE : **MENTAL HEALTH NURSING**
(CLINICAL SPECIALITY - I)
L: T/A:P: C : 150 :2 : 650 : 0

COURSE OBJECTIVES:

1. Develop expertise and in-depth understanding in the field of Psychiatric Nursing.
2. It will help students to appreciate the client as a holistic individual and develop skill to function psychiatric nurse specialist.
3. It will enable the student to function as educator, manager, and researcher in the field of Psychiatric nursing

COURSE OUTCOMES:

1. Appreciate the trends and issues in the field of psychiatry and psychiatric nursing.
2. Explain the dynamics of personality development and human behavior.
3. Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing
4. Demonstrate therapeutic communications skills in all interactions
5. Demonstrate the role of psychiatric nurse practitioner in various therapeutic modalities
6. Establish and maintain therapeutic relationship with individual and groups
7. Uses assertive techniques in personal and professional actions
8. Promotes self-esteem of clients, others and self
9. Apply the nursing process approach in caring for patients with mental disorders
10. Describe the psychopharmacological agents, their effects and nurses role
11. Recognize the role of psychiatric nurse practitioner and as a member of the psychiatric and mental health team
12. Describe various types of alternative system of medicines used in psychiatric settings
13. Incorporate evidence based nursing practice and identifies the areas of research in the field of psychiatric nursing

UNIT -1

15 Hrs.

Introduction : Mental Health and Mental Illness, Historical perspectives, Trends, issues and magnitude, Contemporary practices, Mental health laws/Acts, National mental health program -National mental health authority, state mental health authority, Human rights of mentally ill, Mental Health/ Mental Illness Continuum, Classification of mental illnesses-

ICD, DSM, Standards of Psychiatric nursing, Challenges and Scope of psychiatric nursing, Multi-disciplinary team and role of nurse, Role of psychiatric nurse- extended and expanded.

UNIT – 2

10 Hrs.

Concepts of Psychobiology : The Nervous System- An Anatomical Review, The Brain and limbic system, Nerve Tissue, Autonomic Nervous system, Neurotransmitters, Neuro endocrinology, Pituitary, Thyroid Gland, Circadian Rhythms, Genetics, Neuro psychiatric disorders, Psycho immunology, Normal Immune response, Implications for psychiatric Illness, Implications for Nursing.

UNIT – 3

10 Hrs.

Theories of Personality Development and relevance to nursing practice: Psychoanalytic Theory- Freud's, Interpersonal Theory-Sullivan's, Theory of Psychosocial Development-Erikson's, Theory of object relations, Cognitive Development Theory, Theory of Moral Development, A Nursing Model-Hildegard E. Peplau.

UNIT – 4

5 Hrs.

Stress and its management : An introduction to the concepts of stress, Psychological Adaptation to stress, Stress as a Biological Response, Stress as an Environmental Event, stress as Transaction between the Individual and the Environment, Stress management.

UNIT – 5

10 Hrs.

Therapeutic communication and interpersonal relationship :Review communication process, factors affecting communication, Communication with individuals and in groups, Techniques of therapeutic communication-touch therapy, Barrier of communication with specific reference to psychopathology, Therapeutic attitudes, Dynamics of a therapeutic Nurse-client relationship; Therapeutic use of self-Gaining self-awareness, Therapeutic nurse-patient relationship its phases ; Conditions essential to development of a therapeutic relationship, Therapeutic impasse and its management.

UNIT – 6

10 Hrs.

Assertive Training : Assertive Communication, Basic Human Rights, Response Patterns, (Nonassertive Behavior, Assertive Behavior, Aggressive Behavior, Passive-Aggressive Behavior), Behavioral Components of Assertive Behavior, Techniques that Promote Assertive Behavior, Thought-Stopping Techniques Method, Role of The Nurse.

UNIT – 7

10 Hrs.

Promoting Self-Esteem: Components of Self-Concept, the Development of Self-Esteem, the Manifestations of Low-Self-Esteem, Boundaries, and Role of the Nurse.

UNIT -8**5 Hrs.**

Women and Mental Health : Normal reaction to conception, pregnancy and puerperium, Problems related to conception, pregnancy and puerperium and its management, Counseling – Premarital, marital and genetic. .

UNIT - 9**10 Hrs.**

The nursing process in psychiatric/mental health nursing : Mental health assessment- History taking, mental status examination, Physical and neurological examination, Psychometric assessment, Investigations, Diagnosis and Differential diagnosis, Interpretation of investigations, Nurse's role, Nursing case management, Critical pathways of care, Documentation, Problem-oriented recording, Focus charting, The PIE method.

UNIT - 10**35 Hrs.**

Psycho social and physical therapies: Individual therapy, Behavioral Therapy- Relaxation therapy, cognitive therapy, positive- negative reinforcement, bio-feedback, guided imagery, ab-reactive therapy, Group Therapy, Family Therapy, Milieu Therapy, The Therapeutic Community, Occupational therapy, Recreational therapy, Play therapy, Music therapy, Light therapy, Color therapy, Aroma therapy.

UNIT – 11**5 Hrs.**

Electroconvulsive Therapy : Historical Perspectives, Indications, Contraindications, Mechanisms of Action, Side Effects, and Risks Associated with Electroconvulsive Therapy, the Role of the Nurse in Electroconvulsive Therapy.

UNIT -12**10 Hrs.**

Psychopharmacology :Historical Perspectives, Role of a Nurse in Psychopharmacological Therapy, Antianxiety Agents, Antidepressants Agents, Mood stabilizers, Antipsychotics, Sedative-Hypnotics, Central Nervous System Stimulants, Future developments.

UNIT -13**15 Hrs.**

Alternative systems of medicine in mental health : Types of Therapies - Herbal Medicine, Unani, Siddha, Homeopathic, Acupressure and Acupuncture, Diet and Nutrition, Chiropractic Medicine, Therapeutic Touch and Massage, Yoga, Pet Therapy.

TEXT BOOK

1. Kapoor Bimla, Text Book of Psychiatric Nursing, 1st Edition (1998), Kumar Publication, Delhi.
2. Ahuja Niraj, A Short Text Book of Psychiatry, 4th Edition (1999), Jaypee Publication, Delhi.
3. StaurtSundeen, Principles and practices of Psychiatric Nursing, 2nd Edition, Thomson Delmer Publication, Australia, 2002.

4. Fontaine.K.L, Mental Health Nursing, 1st Edition, Addison Wisley Publication, Newyork, 1999.
5. Sreevani.R, A Guide to Mental Health Psychiatric Nursing, 1st Edition, Jaypee Publication, New Delhi, 2004.
6. Vyas J.N, Text Book of Post Graduate Psychiatry Vol I& Vol II, 1st Edition, Jaypee Publication, New Delhi, 1999.

REFERENCE BOOK

1. Townsend Mary, Psychiatric Health Nursing, 3rd Edition, F.A.Davis Publication, Philadelphia, 2005.
2. StaurtSundeen, Principles and practices of Psychiatric Nursing, 2nd Edition, Thomson Delmer Publication, Australia, 2002.
3. Boyd. Mary Ann, Psychiatric Nursing, 2nd Edition, Lippincott Publication, Philadelphia, 2002.
4. Prisch Noreen, Psychiatric Mental Health Nursing, 7th Edition, Harcourt (India) Publication, Delhi, 1999.

Practical

Total = 660 hours
1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Acute Psychiatric Ward	4	120 Hours
2	Chronic Psychiatric ward	4	120 Hours
3	Psychiatric Emergency Unit	2	60 Hours
4	O.P.D	2	60 Hours
5	Family Psychiatric Unit	2	60 Hours
6	Community Mental health Unit	4	120 Hours
7	Rehabilitation / Occupational Therapy Unit / Half way home / Day care centre	4	120 Hours
	Total	22 Weeks	660 Hours

Student Activities:

- History taking
- Mental health assessment
- Psychometric assessment
- Personality assessment
- Process recording
- Therapies – Group Therapy
- Family Therapy
- Psychotherapy
- Milieu Therapy
- The Therapeutic Community
- Occupational therapy
- Recreational therapy
- Play therapy
- Music therapy
- Pet therapy
- Counselling
- Assisted ECT
- Assisted EEG
- Case studies
- Case presentation
- Project work
- Socio and psycho drama
- Field visits

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN109
TITLE OF THE COURSE : **COMMUNITY HEALTH NURSING**
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in-depth understanding in the field of Community Health Nursing.
2. It would help students to appreciate holistic life style of individuals, families & groups and develop skills to function as Community Health Nurse specialist/practitioner.
3. It will enable student to function as an educator, manager and researcher in the field of Community Health nursing.

COURSE OUTCOMES:

1. Appreciate the history and development in the field of Community Health and Community Health Nursing.
2. Appreciate role of individuals and families in promoting health of the Community.
3. Perform physical, developmental and nutritional assessment of individuals, families and groups.
4. Apply the concepts of promotive, preventive, curative and rehabilitative aspects of health while providing care to the people.
5. Apply nursing process approach while providing care to individuals, families, groups and community.
6. Integrate the concepts of family centered nursing approach while providing care to the community.
7. Recognize and participate in the management of emergencies, epidemics and disasters.
8. Apply recent technologies and care modalities while delivering community health nursing care.
9. Appreciate legal and ethical issues pertaining to community health nursing care.
10. Conduct community health nursing care projects.
11. Participate in planning, implementation and evaluation of various national health and family welfare programmes at local, state and the national level.
12. Incorporate evidence based nursing practice and identifies the areas of research in the community settings.
13. Participate effectively as a member of Community Health team.
14. Coordinate and collaborate with various agencies operating in the community by using inter-sectoral approach.

15. Teach community health nursing to undergraduates, in-service nurses and the community health workers.
16. Demonstrate leadership and managerial abilities in community health nursing practice

UNIT -1

10 Hrs.

Introduction : Historical development of Community Health and Community health Nursing- World and India, various health and family welfare committees, Current status, trends and challenges of Community Health Nursing, Health status of the Community-community diagnosis, Scope of Community health Nursing practice, Ethical and legal issues, Socio-cultural issues in Community health Nursing, National Policies, plans and programmes, National health policy, National Population policy, National Health and welfare Programmes, National Health goals/ indicators/ Millennium developmental goals(MDG)/ Strategies, Planning process: Five year plans, National Rural Health Mission, Panchayat raj institutions.

UNIT -2

10 Hrs.

Health : Concepts, issues, Determinants, Measurements, Alternate systems for health promotion and management of health problems, Health economics, Health technology, Genetics and health, Waste disposal, Eco system

UNIT - 3

15 Hrs.

Population dynamics and control : Demography, Transition and theories of population, National population policy, National population programmes, Population control and related programmes, Methods of family limiting and spacing, Research, Census, National Family Health Survey.

UNIT -4

30 Hrs.

Community Health Nursing : Philosophy, Aims, Objectives, Concepts, Scope, Principles, Functions, Community health Nursing theories and models, Quality assurance: Community health Nursing standards, competencies, Monitoring community health nursing, nursing audits, Family nursing and Family centered nursing approach, Family health nursing process Family health assessment, Diagnosis, Planning, Intervention, Evaluation, Nursing care for special groups: children, adolescents, adults, women, elderly, physically and mentally challenged- Urban and rural population at large, Community nutrition, Concept, role and responsibilities of community health Nurse practitioners/nurse midwifery practitioners-decision making skills, professionalism, legal issues.

UNIT - 5

45 Hrs.

Maternal and Neonatal care : IMNCI (Integrated Management of Neonatal and Childhood Illnesses) module.

UNIT -6**15 Hrs.**

Disaster Nursing (INC module on Reaching out: Nursing Care in emergencies).

UNIT -7**10 Hrs.**

Information, education and communication: IEC/BCC: Principles and strategies, Communication Skills, Management information and evaluation system: Records and reports, Information technology, Tele-medicine and tele-nursing, Journalism, Mass media, Folk media.

UNIT -8**15 Hrs.**

Health care delivery system : Urban, rural, tribal and difficult areas: Health organization: National, State, District, CHC, PHC, Sub Centre, Village - Functions, Staffing, pattern of assistance, layout, drugs, equipment and supplies, Roles and Responsibilities of DPHNO, Critical review of functioning of various levels, evaluation studies, recommendations and nursing perspectives, Alternative systems of medicine, Training and supervision of health workers, Health agencies: NGO's, Roles and functions, Inter-sectoral coordination, Public private partnership, Challenges of health care delivery system.

TEXT BOOK

1. Rao Kasturi Sundar, Introduction to Community Health Nursing, 3rd Edition, B.I. Publication, Chennai, 2000.
2. Park.J.E, Textbook of Preventive and Social Medicine, 18th Edition, Banarsidas Bhanot Publication, Jabalpur, 2005.
3. Park. K, Essentials of Community Health Nursing, 3rd Edition, Banarsidas Bhanot Publication, Jodel, 2001.
4. Huntroberta, Introduction to Community Health Nursing, 2nd Edition, Lippincott Publication, Philadelphia, 2001.
5. ROA. Shridhar, Principles of Community Medicine, 3rd Edition, A.I.T.B.S Publication, New Delhi, 2002.
6. Gupta M.C & Mahajan, Textbook of Preventive & Social Medicines, 3rd Edition, Jaypee Publication, New Delhi, 2003.

REFERENCE BOOK

1. Stanhpope, Community Health Nursing, 1st Edition, Mosby Publication, Philadelphia, 2002.
2. Clemen Stone, Susan, Comprehensive Community Health Nursing, 8th Edition, B.I. Warely Publication, New Delhi, 1998.
3. Sachdeva D.R. & Bhushan, An Introduction to Sociology, 34th Edition, Kitab Publication, New Delhi, 2002.

Practical

Total = 660 hours

1 Week = 30 hours

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Sub-Centre, PHC, CHC	12	360 Hours
2	District family welfare bureau	6	30 Hours
3	Urban Centers	1	180 Hours
4	Field visits	3	90 Hours
	Total	22 Weeks	660 Hours

Student Activities:

- Identification of community leaders and resource persons (community mapping)
- Community health survey
- Community health nursing process-individual, family and special groups and community
- Counseling
- Health education – campaign, exhibition, folk media, preparation of IEC materials
- Organizing and participating in special clinics/camps and national health and welfare programmes –Organise atleast one health and family welfare mela/fair (all stalls of national health and family welfare activities should be included)
- Estimation of Vital health statistics – Exercise
- Drill for disaster preparedness
- Organise atleast one in – service education to ANM's/LHV/PHN/HW
- Nutrition – Exercise on nutritional assessment on dietary planning, demonstration and education for various age groups
- Filling up of Records, reports and registers maintained at SC/PHC/CHC
- Assist women in self-breast examination
- Conduct antenatal examination
- Conduct vaginal examination
- Conduct deliveries
- Post-natal visits
- Perform Episiotomy and suturing
- Prepare Pap smear
- Conduct Insertion / Removal of IUD
- Blood Slide preparation
- Field visits
- Maintenance of log book for various activities

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN201
TITLE OF THE COURSE : **NURSING MANAGEMENT**
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 150: 0

COURSE OBJECTIVES:

1. Develop a broad understanding of Principles, concepts, trends and issues related to nursing management.
2. Provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

COURSE OUTCOMES:

1. Describe the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing.
3. Discuss the public administration, health care administration vis-a-vis nursing administration.
4. Describe the principles of administration applied to nursing.
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Collaborate and co-ordinate with various agencies by using multi sectoral approach
7. Discuss the planning, supervision and management of nursing workforce for various health care settings.
8. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care.
9. Identify and analyze legal and ethical issues in nursing administration.
10. Describe the process of quality assurance in nursing services.
11. Demonstrate leadership in nursing at various levels.

UNIT – 1

10 Hrs.

Introduction : **Philosophy, purpose, elements, principles and scope of administration.**

Indian Constitution, Indian Administrative system vis-a-vis health care delivery system: National, State and Local, organisations and functions of nursing services and education at National, State, District and institutions: Hospital and Community. Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH and plans.

UNIT -2 **10 Hrs.**

Management: Functions of administration, Planning and control, Co-ordination and delegation. Decision making – decentralization basic goals of decentralization, concept of management. Nursing management: Concept, types, principles and techniques, vision and mission statements. Philosophy, aims and objective, current trends and issues in Nursing Administration, Theories and models. Application to nursing service and education

UNIT -3 **15 Hrs.**

Planning: Planning process: Concept, Principles, Institutional policies, Mission, philosophy, objectives, Strategic planning, Operational plans, Management plans, Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO), Planning new venture, Planning for change, Innovations in nursing and Application to nursing service and education

UNIT -4 **15 Hrs.**

Organization: Concept, principles, objectives, Types and theories, minimum requirements for organization. Developing an organizational Structure, levels, organizational Effectiveness and organizational Climate, organizing nursing services and patient care: Methods of patient assignment- Advantages and disadvantages, primary nursing care, Planning and Organizing: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) Disaster management: plan, resources, drill, etc and Application to nursing service and education.

UNIT -5 **15 Hrs.**

Human Resource for health : Staffing, Philosophy, Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC), Estimation of nursing staff requirement- activity analysis, Various research studies, Recruitment: credentialing, selection, placement, promotion, Retention, Personnel policies, Termination, Staff development programme, Duties and responsibilities of various category of nursing personnel and Applications to nursing service and education.

UNIT – 6 **15 Hrs.**

Directing : Roles and functions, Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories, Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations, Delegation; common delegation errors, Managing conflict: process, management, negotiation, consensus, Collective bargaining: health care labor laws, unions, professional associations, role of nurse manager, Occupational health and safety and Application to nursing service and education.

UNIT – 7 **10 Hrs.**

Material management: Concepts, principles and procedures, Planning and procurement procedures: Specifications, ABC analysis, VED (very important and essential daily use) analysis, Planning equipments and supplies for nursing care: unit and hospital, Inventory control, Condemnation and Application to nursing service and education.

UNIT -8 **15 Hrs.**

Controlling : Quality assurance – Continuous Quality Improvement: Standards, Models, Nursing audit. Performance appraisal: Tools, confidential reports, formats, management, interviews. Supervision and management: concepts and principles. Discipline: service rules, self-discipline, constructive versus destructive discipline, problem employees, disciplinary proceedings enquiry etc. Self-evaluation or peer evaluation, patient satisfaction, utilization review and Application to nursing service and education.

UNIT - 9 **15 Hrs.**

Fiscal planning : Steps, Plan and non-plan, zero budgeting, mid-term appraisal, capital and revenue, Budget estimate, revised estimate, performance budget, Audit, Cost effectiveness, Cost accounting, Critical pathways, Health care reforms, Health economics, Health insurance, Budgeting for various units and levels and Application to nursing service and education.

UNIT - 10 **10 Hrs.**

Nursing informatics : Trends, General purpose, Use of computers in hospital and community, Patient record system, Nursing records and reports, Management information and evaluation system (MIES), E- nursing, Telemedicine, telenursing, Electronic medical records.

UNIT -11 **10 Hrs.**

Leadership: Concepts, Types, Theories, Styles, Manager behavior, Leader behavior, Effective leader: Characteristics, skills, Group dynamics, Power and politics, lobbying, Critical thinking and decision making, Stress management, Applications to nursing service and education.

UNIT -12 **10 Hrs.**

Legal and ethical issues : Laws and ethics: Ethical committee, Code of ethics and professional conduct, Legal system: Types of law, tort law, and liabilities, Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character, Patient care issues, management issues, employment issues, Medico legal issues, Nursing regulatory mechanisms: licensure, renewal, accreditation, Patients' rights, Consumer protection act(CPA). Rights of special groups: children, women, HIV, handicap, ageing. Professional responsibility, accountability, Infection control and standard safety measures

TEXT BOOK :

1. Stoner and Freeman. Nursing Management. 4th edition, India: Prantice Hall; 1989.
2. Dr. Basavanthappa B.T. Nursing administration. 1st edition. New Delhi: Jaypee Brothers Publications; 2002.
3. Dr. Rebacca Samson. Leadership and management in nursing practice and education. 1st edition. New Delhi: Jaypee Brothers Publications; 2009.
4. Jean Baret. Ward management and teaching. 7th edition, Delhi: Konark publishers; 1995.

5. Linda Roussel. Management and Leadership for Nurse Administrators. 4th edition, London: Jones and Bartlett publications; 2006.
6. Tappen, Weiss and Whitehead. Essentials of nursing leadership and management. 3rd edition. Philadelphia: F.A davis publication; 2004.

REFERENCE BOOKS:

1. G Chandorkar. Hospital administration and planning. 2nd edition. New Delhi: Paras medical publisher; 2009.
2. D C Joshi. Mamta Joshi. Hospital administration. 1st edition. New Delhi: Jaypee brothers medical publishers pvt ltd; 2009.
3. BM Sakharkar. Principles of hospital administration and planning. 2nd edition. New Delhi: Jaypee brothers medical publishers; 2009.
4. Ruth M Tappen. Nursing leadership and management. 3rd edition. Philadelphia: FA Davis Company; 1989.
5. Eleanor JS, Philip JD. Effective leadership and management in nursing. 4th edition. California: Addison-Wesley; 2002.
6. Dee Ann Gillies. Nursing Management a system approach. 3rd edition. London: W.B. Saunders company; 1982.

Practicals

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, Revised estimate and performance budget.
3. Plan and conduct staff development programme
4. Preparation of Organisation Chart
5. Developing nursing standards / protocols for various units
6. Design a layout plan for speciality units / hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel
8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal
13. Identify the problems of the speciality units and develop plan of action by using problem solving approach
14. Plan a duty roster for speciality units/hospital, community and educational institutions
15. Prepare : anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurses notes, Official letters, curriculum vitae, presentations etc.,
16. Prepare a plan for disaster management
17. Group work
18. Field appraisal report

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-A
TITLE OF THE COURSE : **MEDICAL SURGICAL NURSING**
(CARDIOVASCULAR AND THORACIC NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of cardiovascular and thoracic nursing.
2. Help students to develop advanced skills for nursing intervention in various cardio medical and surgical conditions.
3. Enable the student to function as Cardio vascular and Thoracic Nurse practitioner/specialist, educator, manager and researcher in the field of cardio vascular and thoracic nursing.

COURSE OUTCOMES:

1. Appreciate trends and issues related to cardio vascular and thoracic Nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardio vascular and thoracic conditions
3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardio vascular and thoracic conditions
4. Perform physical, psychosocial & spiritual assessment
5. Assist in various diagnostic, therapeutic and surgical procedures
6. Apply nursing process in providing comprehensive care to patients with cardio vascular and thoracic conditions
7. Demonstrate advance skills/competence in managing patients with cardio vascular and thoracic conditions including Advance Cardiac Life Support.
8. Describe the various drugs used in cardio vascular and thoracic conditions and nurses responsibility
9. Demonstrate skill in handling various equipments/gadgets used for critical care of cardio vascular and thoracic patients
10. Appreciate team work & coordinate activities related to patient care.
11. Practice infection control measures.
12. Identify emergencies and complications & take appropriate measures
13. Discuss the legal and ethical issues in cardio vascular and thoracic nursing

14. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs.
15. Appreciate the role of alternative system of medicine in care of patient
16. Incorporate evidence based nursing practice and identifies the areas of research in the field of cardio vascular and thoracic nursing
17. Identify the sources of stress and manage burnout syndrome among health care providers.
18. Teach and supervise nurses and allied health workers.
19. Design a layout of ICCU and ICTU and develop standards for cardio vascular and thoracic nursing practice.

UNIT – 1

5 Hrs.

Introduction : Historical development, trends and issues in the field of cardiology, Cardio vascular and thoracic conditions – major health problem, Concepts, principles and nursing perspectives, Ethical and legal issues, Evidence based nursing and its application in cardio vascular and thoracic nursing(to be incorporated in all the units).

UNIT -2

5 Hrs.

Epidemiology : Risk factors: hereditary, psycho social factors, hypertension, smoking, obesity, diabetes mellitus etc., Health promotion, disease prevention, Life style modification, National health programs related to cardio vascular and thoracic conditions, Alternate system of medicine and Complementary therapies.

UNIT – 3

5 Hrs.

Review of anatomy and physiology of cardio vascular and respiratory system: Review of anatomy and physiology of heart, lung, thoracic cavity and blood vessels. Embryology of heart and lung, Coronary circulation, Hemodynamics and electro physiology of heart, Bio-chemistry of blood in relation to cardio pulmonary function.

UNIT -4

20 Hrs.

Assessment and Diagnostic Measures: History taking, Physical assessment, Heart rate variability: Mechanisms, measurements, pattern, factors, impact of interventions on HRV and Diagnostic tests. Hemodynamic monitoring: Technical aspects, monitoring, functional hemodynamic indices, ventricular function indices, output measurements (Arterial and swan Ganz monitoring). Blood gases and its significance, oxygen supply and demand, Radiologic examination of the chest: interpretation, chest film findings, Electro cardiography (ECG) : electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiogram, axis determination, ECG changes in: intraventricular conduction abnormalities- Arrhythmias, ischemia, injury and infarction, atrial and ventricular enlargement, electrolyte imbalance, Echocardiography: technical aspects, special techniques, echocardiography of cardiac structures in health and disease, newer techniques, Nuclear and other imaging studies of the heart: Magnetic Resonance Imaging. Cardio electrophysiology procedures: diagnostic studies, interventional and catheter

ablation, nursing care. Exercise testing: indications and objectives, safety and personnel, pretest considerations, selection, interpretation, test termination, recovery period. Cardiac catheterization: indications, contraindications, patient preparation, procedure, interpretation of data. Pulmonary function test: Bronchoscopy and graphics. Interpretation of diagnostic measures. Nurse's role in diagnostic tests, Laboratory tests using blood: Blood specimen collection, Cardiac markers, Blood lipids, Hematologic studies, Blood cultures, Coagulation studies, Arterial blood gases, Blood Chemistries, cardiac enzyme studies, Serum Concentration of Selected drugs, Interpretation and role of nurse.

UNIT – 5

25 Hrs.

Cardiac disorders and nursing management: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Hypertension, Coronary Artery Disease, Angina of various types, Cardiomegaly, Myocardial Infarction, Congestive cardiac failure, Heart Failure, Pulmonary Edema, Shock. Rheumatic heart disease and other Valvular Diseases, Inflammatory Heart Diseases, Infective Endocarditis, Myocarditis, Pericarditis. Cardiomyopathy, dilated, restrictive, hypertrophic. Arrhythmias, heart block and associated illnesses.

UNIT – 6

10 Hrs.

Altered pulmonary conditions: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Bronchitis, Bronchial asthma, Bronchiectasis, Pneumonias, Lung abscess, lung tumour, pulmonary tuberculosis, fibrosis, pneumoconiosis etc. Pleuritis, effusion, Pneumo, haemo and pyothorax, Interstitial Lung Disease, Cystic fibrosis, Acute and Chronic obstructive pulmonary disease (conditions leading to) Cor pulmonale, Acute respiratory failure, Adult respiratory distress syndrome, Pulmonary embolism and Pulmonary Hypertension.

UNIT – 7

10 Hrs.

Vascular disorders and nursing management Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Disorders of arteries, Disorders of the aorta, Aortic Aneurysms, Aortic dissection, Raynaud's phenomenon, Peripheral arterial disease of the lower extremities, Venous thrombosis, Varicose veins, Chronic venous insufficiency and venous leg ulcers, Pulmonary embolism.

UNIT -8

10 Hrs.

Cardio thoracic emergency interventions :CPR- BLS and ALS, Use of ventilator, defibrillator pacemaker, Post resuscitation care, Care of the critically ill patients, Psychosocial and spiritual aspects of care, Stress management; ICU psychosis and Role of nurse.

Unit – 9

10 Hrs.

Nursing care of a patient with obstructive airway : Assessment, Use of artificial airway, endotracheal intubation, tracheostomy and its care, Complication, minimum cuff leak, securing tubes. Oxygen delivery systems: Nasal Cannula, Oxygen mask, Ventura mask,

Partial rebreathing bag, Bi-PAP and C-PAP masks, Uses, advantages, disadvantages and nursing implications of each. Mechanical Ventilation: Principles of mechanical ventilation, Types of mechanical ventilation and ventilators, Modes of ventilation, advantage, disadvantage, complications. PEEP therapy, indications, physiology, and complications. Weaning off the ventilator, Nursing assessment and interventions of ventilated patient.

UNIT – 10

10 Hrs.

Congenital Heart Diseases : Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Embryological development of heart, Classification – cyanotic and acyanotic heart disease, Tetralogy of Fallots, Atrial Septal Defect, Ventricular Septal Defect, Eisenmenger's complex, Patent ductus arteriosus, AP window, Truncus Arteriosus, Transposition of great arteries, Total Anomaly of Pulmonary Venous Connection, Pulmonary stenosis, atresia. Coarctation of aorta, Ebstein's anomaly, Double outlet right ventricle, Single ventricle and Hypoplastic left heart syndrome.

UNIT – 11

10 Hrs.

Pharmacology : Review, Pharmacokinetics, Analgesics/Anti-inflammatory agents, Antibiotics, antiseptics, Drug reaction & toxicity, Drugs used in cardiac emergencies, Blood and blood components, Antithrombolytic agents, Inotropic agents, Beta-blocking agents, Calcium channel blockers, Vaso constrictors, Vaso dilators, ACE inhibitors, Anticoagulants, Antiarrhythmic drugs. Anti-hypertensives, Diuretics, Sedatives and tranquilizers, Digitalis and Antilipemics, Principles of drug administration, role and responsibilities of nurses and care of drugs.

UNIT – 12

20 Hrs.

Nursing Care of patient undergoing cardio thoracic surgery: Indications, selection of patient, Preoperative assessment and preparation; counselling. Intraoperative care: Principles of open heart surgery, equipment, anaesthesia, cardiopulmonary bypass. Surgical procedures for Coronary Artery Bypass Grafting, recent advances and types of grafts, Valve replacement or reconstruction, cardiac transplant, Palliative surgery and different Stents, vascular surgery, other recent advances. Thoracic surgery: lobectomy, pneumonectomy, tumour excision etc. Immediate postoperative care: assessment, post-operative problems and interventions : Bleeding, Cardiac tamponade, Low cardiac output, Infarction, Pericardial effusion, Pleural effusion, Pneumothorax, Haemothorax, Coagulopathy, Thermal imbalance, Inadequate ventilation/perfusion, Neurological problems, renal problems, Psychological problems, Chest physiotherapy. Nursing interventions- life style modification, complementary therapy /alternative systems of medicine. Intermediate and late post-operative care after CABG, valve surgery, others and Follow up care.

UNIT – 13

5 Hrs.

Cardiac rehabilitation: Process, Physical evaluation, Life style modification, Physical conditioning for cardiovascular efficiency through exercise, Counseling and Follow up care.

UNIT -14**5 Hrs.**

Intensive Coronary Care Unit/intensive cardio thoracic unit: Quality assurance: Standards, Protocols, Policies, Procedures, Infection control; Standard safety measures, Nursing audit, Design of ICCU/ICTU, Staffing; cardiac team and Burn out syndrome. Nurse's role in the management of I.C.C.U and ICTU, Mobile coronary care unit and planning in-service educational Programme and teaching.

TEXT BOOK :

1. Alvord Alonso, David D Mc Manus. Text book of peripheral vascular disease. Canada: Jones and Barlett publishers; 2006.
2. Emile R Mahler. Alan T Hirsch. Peripheral arterial disease. Canada: Jones and Barlett publishers; 2006.
3. Joyce M Black, Jane Hawks. Text book of Medical surgical nursing. 7th Edition. New Delhi: Elsevier publication; 2005.

REFERENCE BOOKS:

1. Phips Wilma J. Shafer's Medical Surgical Nursing. 7th ed. Bangalore: B.T.Publication; 1995.
2. B.T.Basavanthappa. Medical Surgical Nursing. 3rded. New Delhi: Jaypee publishers; 2015.
3. Lewis Heitkemper, Dirksen O'Brien. Medical Surgical Nursing. 7th Edition. Missouri: Elsevier; 2008

PRACTICAL

Total = 960 hours
1 Week = 30 hours

S. No.	Dept/Unit	No. of Week	Total Hours
1	Cardio thoracic Medical	4	120 Hours
	Surgical	4	120 Hours
2	OTs (Cardiac and thoracic)	4	120 Hours
3	Casualty	2	60 Hours
4	Diagnostic labs including cath lab	2	60 Hours
5	ICCU	4	120 Hours
6	ICU	4	120 Hours
7	CCU	4	120 Hours
8	Paediatric Intensive	2	60 Hours
9	OPD	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-B
TITLE OF THE COURSE : **MEDICAL SURGICAL NURSING**
(CRITICAL CARE NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth knowledge in the field of Critical care Nursing.
2. Help students to develop advanced skills for nursing intervention in caring for critically ill patients.
3. Enable the student to function as critical care nurse practitioner/ specialist, educator, manager and researcher in the field of Critical Care Nursing.

COURSE OUTCOMES:

1. Appreciate trends and issues related to Critical Care Nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients
3. Describe the various drugs used in critical care and nurse's responsibility
4. Perform physical, psychosocial & spiritual assessment
5. Demonstrate advance skills/competence in managing critically ill patients including Advance Cardiac Life Support.
6. Demonstrate skill in handling various equipment/gadgets used for critical care
7. Provide comprehensive care to critically ill patients.
8. Appreciate team work & coordinate activities related to patient care.
9. Practice infection control measures.
10. Assess and manage pain.
11. Identify complications & take appropriate measures.
12. Discuss the legal and ethical issues in critical care nursing
13. Assist patients and their family to cope with emotional distress, spiritual, grief and anxiety
14. Assist in various diagnostic, therapeutic and surgical procedures
15. Incorporate evidence based nursing practice and identifies the areas of research in the field of critical care nursing
16. Identify the sources of stress and manage burnout syndrome among health care providers.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of ICU and develop standards for critical care nursing practice.

UNIT – 1 **8 Hrs.**

Introduction to Critical Care Nursing Historical review- Progressive patient care(PPC), Review of anatomy and physiology of vital organs, fluid and electrolyte balance, Concepts of critical care nursing, Principles of critical care nursing, Scope of critical care nursing, Critical care unit set up including equipment's, supplies, use and care of various type of monitors & ventilators and Flow sheets.

UNIT – 2 **10 Hrs.**

Concept of Holistic care applied to critical care nursing practice : Impact of critical care environment on patients:- Risk factors, Assessment of patients, Critical care psychosis, prevention & nursing care for patients affected with psychophysiological & psychosocial problems of critical care unit, Caring for the patient's family, family teaching. The dynamics of healing in critical care unit:-therapeutic touch, Relaxation, Music therapy, Guided Imagery, acupuncture, Stress and burnout syndrome among health team members.

UNIT -3 **14 hrs.**

Review : Pharmacokinetics, Analgesics/Anti-inflammatory agents, Antibiotics, antiseptics, Drug reaction & toxicity, Drugs used in critical care unit (inclusive of ionotropic, lifesaving drugs) Drugs used in various body systems, IV fluids and electrolytes, Blood and blood components, Principles of drug administration, role of nurses and care of drugs

UNIT – 4 **7 Hrs.**

Pain Management: Pain & Sedation in Critically ill patients, Theories of pain, Types of pain, Pain assessment, Systemic responses to pain, pain management-pharmacological and non-pharmacological measures and Placebo effect.

Unit – 5 **8 Hrs.**

Infection control in intensive care unit: Nosocomial infection in intensive care unit; methyl resistant staphylococcus aureus (MRSA), Disinfection, Sterilization, Standard safety measures and Prophylaxis for staff.

UNIT – 6 **10 Hrs.**

Gastrointestinal System Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Gastrointestinal Bleeding, Abdominal injury, Hepatic Disorders:-Fulminant hepatic failure, Hepatic encephalopathy, Acute Pancreatitis, Acute intestinal obstruction, perforative peritonitis.

UNIT – 7 **10 Hrs.**

Renal System: Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Renal Failure, Chronic Renal Failure, Acute tubular necrosis, Bladder trauma. Management Modalities: Hemodialysis, Peritoneal Dialysis, Continuous Ambulatory Peritoneal Dialysis, Continuous arteriovenous hemodialysis, Renal Transplant.

UNIT -8**10 Hrs.**

Nervous System: Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Common Neurological Disorders:-Cerebrovascular disease, Cerebrovascular accident, Seizure disorders, Guillain Barre-Syndrome, Myasthenia Gravis, Coma, Persistent vegetative state, Encephalopathy, Head injury, Spinal Cord injury. Management Modalities: Assessment of Intracranial pressure, Management of intracranial hypertension, Craniotomy. Problems associated with neurological disorders: Thermo regulation, Unconsciousness, Herniation syndrome.

UNIT -9**8 Hrs.**

Endocrine System : Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing Management of Hypoglycemia, Diabetic Ketoacidosis, Thyroid crisis, Myxoedema, Adrenal crisis, Syndrome of Inappropriate/ hyper secretion of Antidiuretic Hormone (SIADH), Diabetes insipidus.

UNIT -10**10 Hrs.**

Management of other Emergency Conditions: Mechanism of injury, Thoracic injuries, Abdominal injuries, pelvic fractures, complications of trauma, Head injuries. Shock: Shock syndrome, Hypovolemic, Cardiogenic, Anaphylactic, Neurogenic and Septic shock. Systemic inflammatory Response: The inflammatory response, Multiple organ dysfunction syndrome, Disseminated Intravascular Coagulation, Drug Overdose and Poisoning, Acquired Immunodeficiency Syndrome (AIDS), Ophthalmic: Eye injuries, Glaucoma, retinal detachment, Ear Nose Throat: Foreign bodies, stridor, bleeding, quincy, acute allergic conditions. Psychiatric emergencies: suicide and crisis intervention.

UNIT -11**20 Hrs.**

Cardiovascular emergencies: Principles of Nursing in caring for patients with cardiovascular disorders. Assessment: Cardiovascular system: Heart sounds, Diagnostic studies: Cardiac enzymes studies, Electrocardiographic monitoring, Holter monitoring, Stress test, Echo cardiography, Coronary angiography, Nuclear medicine studies, causes, Pathophysiology, Clinical types, Clinical features, Diagnostic Prognosis, Management : Medical, Surgical & Nursing management of:-Hypertensive crisis, Coronary artery disease, Acute Myocardial infarction, Cardiomyopathy, Deep vein thrombosis, Valvular diseases, Heart block, Cardiac arrhythmias & conduction disturbances, Aneurysms, Endocarditis, Heart failure, Cardio pulmonary resuscitation BCLS/ ACLS. Management Modalities: Thrombolytic therapy, Pacemaker – temporary & permanent, Percutaneous transluminal coronary angioplasty, Cardioversion, Intra-Aortic Balloon pump monitoring, Defibrillations, Cardiac surgeries, Coronary Artery Bypass Grafts (CABG/MICAS), Valvular surgeries, Heart Transplantation, Autologous blood transfusion, Radiofrequency Catheter Ablation.

UNIT -12**15 Hrs.**

Respiratory System: Acid-base balance & imbalance, Assessment : History & Physical Examination, Diagnostic Tests: Pulse Oximetry, End –Tidal Carbon Dioxide Monitoring, Arterial blood gas studies, chest radiography, pulmonary Angiography, Bronchoscopy,

Pulmonary function Test, Ventilation perfusion scan, Lung ventilation scan. Causes, Pathophysiology, Clinical types, Clinical features, Prognosis, Management: Medical, Surgical and Nursing management of Common pulmonary disorders:-Pneumonia, Status asthmaticus, interstitial disease, Pleural effusion, Chronic obstructive pulmonary disease, Pulmonary tuberculosis, Pulmonary edema, Atelectasis, Pulmonary embolism, Acute respiratory failure, Acute respiratory distress syndrome (ARDS), Chest Trauma, Haemothorax, Pneumothorax. Management Modalities:-Airway Management, Ventilatory Management:-Invasive, non- invasive, long term mechanical ventilations. Bronchial Hygiene:-Nebulization, deep breathing exercise, chest physiotherapy, postural drainage, Inter Costal Drainage, Thoracic Surgeries

UNIT -13

10 Hrs.

Burns : Clinical types, classification, pathophysiology, clinical features, assessment, diagnosis, prognosis, Management: Medical, Surgical & Nursing management of burns, Fluid and electrolyte therapy – calculation of fluids and its administration, Pain management, Wound care, infection control, Prevention and management of burn complications, Grafts and flaps, Reconstructive surgery and Rehabilitation.

UNIT -14

5 Hrs.

Legal and ethical issues in critical care-Nurse's role : Brain death, Organ donation & Counseling, Do Not Resuscitate (DNR), Euthanasia and Living will.

UNIT -15

5 Hrs.

Quality assurance: Standards, Protocols, Policies, Procedures, Infection control; Standard safety measures, nursing audit, Staffing and Design of ICU/CCU.

TEXT BOOK :

1. Sharon Mantik Lewis, Margaret Mclean, Shannon Ruff Dirksen. Medical Surgical Nursing. 6th Edition. Missouri: Mosby Publications; 2004.
2. Arlene L Polaski, Suzanne E Tatro, Luckmann's Core Principles and Practice Of Medical Surgical Nursing. 1st Edition. India: WB Saunders Elsevier's Publisher; 2010.
3. D U Das. Introduction to Nursing Care a comprehensive approach to Nursing. 4th Edition. India: W B Saunders Company; 2001.

REFERENCE BOOKS:

1. Phipps Wilma J. Shafer's Medical Surgical Nursing. 7th ed. Bangalore; B.T. Publication :1995.
2. Perry, Ann G. and Patricia A. Potter. Clinical Nursing Skills and Techniques. 3rd ed. St. Louis; The C.V Mosby Co: 1990.
3. Rick Daniels, Laura Nosek, Lelie Nicoll. Contemporary Medical Surgical Nursing. 2nd Edition. Haryana: Sanat Publishers; 2007

PRACTICAL

Total = 960 hours

1 Week = 30 hours

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Burns ICU	2	60 Hours
2	Medical ICU	8	240 Hours
3	Surgical ICU	12	360 Hours
4	CCU	2	60 Hours
5	Emergency Department	3	90 Hours
6	Dialysis Unit	1	30 Hours
7	Transplant Room	2	60 Hours
8	Pediatric / NICU	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-C
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING (ONCOLOGY NURSING)
CLINICAL SPECIALITY – II
L: T/A: P: C : 150:2: 950: 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of oncology Nursing.
2. Help students to develop advanced skills for nursing intervention in various oncological conditions.
3. Enable the student to function as oncology nurse practitioner/specialist and provide quality care, educator, manager, and researcher in the field of oncology nursing.

COURSE OUTCOMES:

1. Explain the prevention, screening and early detection of cancer
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems
3. Describe the psychosocial effects of cancer on patients and families.
4. Demonstrate skill in administering/assisting in various treatment modalities used for patients with cancer
5. Apply nursing process in providing holistic care to patients with cancer.
6. Apply specific concepts of pain management
7. Appreciate the care of death and dying patients and value of bereavement support.
8. Describe the philosophy, concept and various dimensions of palliative care
9. Appreciate the role of alternative systems of medicine in care of cancer patients
10. Appreciate the legal & ethical issues relevant to oncology nursing
11. Recognize and manage Oncological emergencies
12. Counsel the patients with cancer and their families
13. Incorporate evidence based nursing practice and identifies the areas of research in the field of oncology nursing
14. Recognize the role of oncology nurse practitioner as a member of oncology team
15. Collaborate with other agencies and utilize resources in caring for cancer patients.
16. Teach and supervise nurses and allied health workers.

17. Design a layout and develop standards for management of oncology units/hospitals and nursing care.

UNIT – 1

4 Hrs.

Introduction :Epidemiology-Incidence, Prevalence – Global, National, State and Local, Disease burden, concept of cancer, risk factors, Historical perspectives, Trends and issues, principles of cancer management, roles and responsibilities of oncology nurse.

UNIT -2

5 Hrs.

The Nature of Cancer: Normal cell biology, The Immune system, pathological and patho physiological changes in tissues: Biology of the cancer cell, Clone formation Transformation, Tumor stem lines, Structure of a solid tumor, Products produced by the tumor and Systemic effects of tumor growth.

UNIT – 3

4 Hrs.

Etiology of Cancer: Carcinogenesis, Theories of cancer causation, Risk factors. Carcinogens – genetic factors, chemical carcinogens, radiation, viruses, Immune system failure, rapid tissue proliferation. Hormone changes, diet and emotional factors.

UNIT – 4

10 Hrs.

Diagnostic Evaluation : Health assessment: History taking, physical examination, Staging and grading of tumors, TNM Classification, Common diagnostic tests: Blood investigation: Hematological, Bio-chemical, Tumor markers, Hormonal assay, Cytology: Fine needle aspiration cytology(FNAC), Histopathology: Biopsy, Radiological assessment: MRI, Ultrasound, Computed tomography, Mammography, Positron emission tomography(PET), Radio nuclide imaging, Functional metabolism imaging, Endoscopies and Nurses responsibilities in diagnostic measures.

UNIT – 5

10 Hrs.

Levels of prevention and care: Primary prevention – Guidelines for cancer detection, general measures, Warning signs of cancer, Self-examination-Oral, Breast, Testicular, Secondary prevention – early diagnosis, Screening, Tertiary prevention – disability limitation, Rehabilitation: Mobility, Speech, Bowel and bladder, Ostomies etc. Patient and family education, discharge instruction, follow-up care and use of community resources.

UNIT – 6

25 Hrs.

Cancer Treatment Modalities and Nurse's Role: Surgery: Principles of surgical oncology, Current surgical strategy, Determining surgical risk, Special surgical techniques, Pre-intra-postoperative nursing care, Acute and chronic surgical complications, Future directions and advances. Chemotherapy: Principles and classification of chemotherapeutics, Pharmacology of antineoplastic drugs- Mechanism of action, Absorption, protein binding, Bio-transformation, excretion, common side effects, drug toxicity, Calculating drug doses, Therapeutic response to chemotherapy-Tumor variables, drug resistance, Safety precautions. Radiation Therapy: Physics of radiotherapy, Types of

ionizing rays, Radiation, equipment: Linear accelerator, cobalt, Implants, Isotopes, Types of therapies: Oral, Brachy therapy, tele therapy, selectron therapy, Effects of radiation on the body tissue, Radiation biology – cell damage, hypoxic cells, alteration of tumor kinetics. Approaches to radiation therapy – External radiotherapy, Internal radiotherapy –unsealed, Sealed sources, Effectiveness of radiotherapy-Radio sensitivity, treatment effects, Complications of radiotherapy, Radiation safety: Standards of Bhabha Atomic Research Centre (BARC). Bone Marrow Transplantation / stem cell Transplantation: Types, indications, transplantation procedure, complications and nursing management, Types and donor sources, Preparation and care of donor and recipient, Bone marrow bank, Legal and ethical issues. Immunotherapy (Biotherapy): Concepts and principles, Classification of agents, Treatment and applications. Gene Therapy: Current Concepts and practices. Alternative and complementary Therapies: Current practices.

UNIT -7

10 Hrs.

Pain management: Theories, types and Nature of cancer pain, pathophysiology of pain, Pain threshold. Assessment of pain: Principles of cancer pain control, Pharmacological: Opioid and non-opioid analgesic therapy, Patient controlled analgesia (PCA), Other invasive techniques of pain control and Recent developments in Cancer pain. Non- Pharmacological pain relief technique- Complementary therapies (Music, massage, meditation, relaxation techniques, bio feedback etc), Psychological intervention in pain control, Alternative system of medicine and Role of nurse.

UNIT – 8

5 Hrs.

Palliative care : Definition and scope, philosophy, Concept and elements of palliative care, Global and Indian perspective of palliative care, Quality of life issues, Communication skill, Nursing perspective of palliative care and its elements, Home care, Hospice care and Role of nurse in palliative care.

UNIT – 9

2 Hrs.

Process of infection, risk of hospitalization, nosocomial infections- prevention & control of infection in acute, long term care facility and community based care and Standard safety measures.

UNIT – 10

30 Hrs.

Infection control : Nursing Care of Patients With Specific Malignant Disorders: Malignancies of G.I. system-oral, oesophagus, stomach, rectal, liver & pancreas, care of ostomies/stoma, Respiratory malignancies, Genito urinary system malignancies- prostate, Bladder, renal, testicular malignancies, Gynecological malignancies-cervix, uterus, ovary, Hematological malignancies-Lymphomas, Leukemias, Malignancies of musculoskeletal system, Endocrine malignancies, Skin, Head and Neck -brain tumors, other malignancies – Breast cancer and AIDS related malignancies (Kaposi's Sarcoma). (30 Hours)

UNIT – 11**10 Hrs.**

Pediatric malignancies: Leukemia, Lymphoma, Neuro- blastoma, Wilm's tumor, Soft tissue sarcoma, Retinoblastoma and Nursing Management of children with Paediatric Malignancies.

UNIT -12**15 Hrs.****Nursing Management of Physiological Conditions and Symptoms of Cancer Patient**

: Nutrition: effects of cancer on nutritional Status and its consequences:-Anemia, Cachexia, Xerostomia, mucositis, Dysphagia , nausea and vomiting, constipation, diarrhoea, electrolyte imbalances, taste alterations. Impaired mobility: Decubitus ulcer, pathologic fractures, thrombophlebitis, pulmonary embolism, contractures, footdrop. Other symptoms: Dyspepsia & hiccup, dyspnoea, intestinal obstruction, Fungating wounds, Anxiety & depression, insomnia and Lymph edema. Impact of cancer on sexuality; Effects of radiotherapy/ chemotherapy/surgery on sexuality of the cancer patient nursing management of cancer patients experiencing sexual dysfunction and Sexual counseling.

UNIT -13**10 Hrs.**

Cancer Emergencies: Disseminated intravascular coagulation (DIC), malignant pleural effusion, neoplastic cardiac tamponade and septic shock, spinal cord compression, Superior venacava syndrome. Metabolic emergency: hyper and hypocalcemia, Surgical emergency, Urological emergency, Hemorrhage, Organ obstruction, Brain metastasis and Nurses role in managing oncologic emergencies.

UNIT – 14**8 Hrs.**

Psycho-Social Aspects of Nursing Care : Psychological responses of patients with cancer, psychosocial assessment – Crisis intervention, coping mechanisms, Stress management, spiritual/cultural care and needs, Counseling: individual and family, Maximizing quality of life of patient and family. Ethical, moral and legal issues- End of life care, Grief and grieving process, Bereavement support and Care of Nurses who care for the dying.

UNIT – 15**2 Hrs.****Layout and Design of an oncology institution/ ward, OPD, chemotherapy unit, Bone marrow transplantation unit, Pain clinic etc. Practice Standards of oncology nursing**

: Policies and Procedures, Establishing Standing orders and Protocols. Quality Assurance Programme in oncology units: Nursing audit.

TEXT BOOK:

1. Baig. Principles and Practice of Chemotherapy. 1sted. New Delhi; Jaypee publishers: 2012.
2. Desai. Practical clinical Oncology. 1sted. New Delhi; Jaypee publishers: 2014.
3. Marsh. The Essentials of Clinical Oncology. 1sted. New Delhi; Jaypee publishers; 2005.

REFERENCE BOOKS:

1. Pandey. Advances in Oncology. 1sted. New Delhi; Jaypee publishers; 2004.

2. Bocklage. Bone and Soft tissue tumors. 1sted. New Delhi; Jaypee publishers; 2014.
3. Goodman. Regional Therapeutics for advanced malignancies. 1sted. New Delhi; Jaypee publishers; 2012

PRACTICAL

Total = 960 hours

1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Medical Oncology ward	6	180 Hours
2	Surgical Oncology ward	6	180 Hours
3	Bone marrow transplantation Unit	2	60 Hours
4	Operation Theatre	2	60 Hours
5	Radiotherapy Unit	2	60 Hours
6	Chemotherapy Unit	4	120 Hours
7	Outpatient department	2	60 Hours
8	Pediatric Oncology ward	2	60 Hours
9	Palliative Care ward	2	60 Hours
10	Community oncology	2	60 Hours
11	Hospice	1	30 Hours
12	Other field visits	1	30 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR	: II YEAR
COURSE CODE	: 16MSN202-D
TITLE OF THE COURSE	: MEDICAL SURGICAL NURSING (NEURO SCIENCES NURSING) CLINICAL SPECIALITY – II
L: T/A:P: C	: 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth knowledge in the field of neurology and neurosurgical Nursing.
2. Help students to develop advanced skills for nursing intervention in caring for patients with neurological and neurosurgical disorders.
3. Enable the student to function as neuroscience nurse practitioner/ specialist, educator, manager and researcher in the field of neurology and neurosurgical Nursing.

COURSE OUTCOMES:

1. Appreciate trends and issues related to neurology and neurosurgical Nursing.
2. Review the anatomy and physiology of nervous system
3. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of patients with neurological and neurosurgical disorders
4. Perform neurological assessment and assist in diagnostic procedures
5. Describe the concepts and principles of neuroscience nursing
6. Describe the various drugs used in neurosciences and nurses responsibility
7. Assist in various therapeutic and surgical procedures in neuroscience nursing
8. Demonstrate advance skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach
9. Identify psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional distress, spiritual, grief and anxiety
10. Participate in preventive, promotive and rehabilitative services for neurological and neurosurgical patients.
11. Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing
12. Incorporate evidence based nursing practice and identifies the areas of research in the field of neuroscience nursing

13. Organize and conduct in service education program for nursing personnel.
14. Develop standards of care for quality assurance in neuroscience nursing practice
15. Identify the sources of stress and manage burnout syndrome among health care providers.
16. Teach and supervise nurses and allied health workers.
17. Plan and develop physical layout of neuro intensive care unit

UNIT - 1

5 Hrs.

Introduction: Introduction to neuroscience (neurological and neurosurgical) nursing, History-Development in neurological and neurosurgical nursing, Service & education, Emerging trends and issues in neurology and neuro surgery and its implication to nursing. Neurological and neurosurgical problems – Concepts, principles and nursing perspectives Ethical and legal issues, Evidence based nursing and its application in neurological and neurosurgical nursing.

UNIT - 2

5 Hrs.

Epidemiology :Major health problems- Risk factors associated with neurological conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations, occupational and infections. Health promotion, disease prevention, life style modification and its implications to nursing. Alternate system of medicine/complementary therapies.

UNIT -3

10 Hrs.

Review of Anatomy and physiology : Embryology, Structure and functions of Nervous system- CNS, ANS, cerebral circulation cranial and spinal nerves and reflexes, motor and sensory functions and Sensory organs.

UNIT – 4

15 Hrs.

Assessment and diagnostic measures: History taking, Physical assessment, psychosocial assessment, Neurological assessments, Glasgow coma scale interpretation & its relevance to nursing and common assessment abnormalities. Diagnostic measures: Cerebra spinal fluid analysis, Radiological studies-Skull and spine X-ray Cerebral Angiography, CT Scan, Single Photon Emission Computer Tomography(SPECT), MRI (Magnetic Resonance Imaging), MRA, MRS, Functional MRI, Myelography, PET (Positron Emission Test), Interventional radiology. Electrographic studies- Electro encephalography, MEG, EMG, video EEG, Nerve conduction studies-Evoked potentials, visual evoked potentials, brain stem auditory evoked potentials, somatosensory evoked potentials, Ultrasound studies- Carotid duplex, transcranial Doppler sonography, Immunological studies, Biopsies – muscle, nerve and brain. Interpretation of diagnostic measures and nurse's role in diagnostic tests.

UNIT – 5**5 Hrs.**

Meeting Nutritional needs of neurological patients: Basic nutritional requirements, Metabolic changes following injury and starvation, Nutritional assessment, Common neurological problems that interfere with nutrition and strategies for meeting their nutritional needs, Special metabolic and electrolyte imbalances and chronic fatigue syndrome.

UNIT – 6**5 Hrs.**

Drugs used in neurological and neurosurgical disorders: Classification, Indications, contraindications, actions and effects, toxic effects and Role of nurse.

UNIT – 7**10 Hrs.**

Traumatic conditions: Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and nursing management of Cranio cerebral injuries, Spinal & Spinal cord injuries, Peripheral nerve injuries and Unconsciousness.

UNIT – 8**10 Hrs.**

Cerebro vascular disorders: Causes, pathophysiology, clinical types, clinical features, diagnosis and prognosis. Management: medical, surgical and nursing management of Stroke & arterio venous thrombosis, Haemorrhagic embolus, Cerebro vascular accidents, Intracranial aneurysm, Subarchnoid Haemorrhage, Arterio venous fistula, Brain tumours, Diseases of cranial nerves; Trigeminal neuralgia, Facial palsy and Bulbar palsy.

UNIT – 9**10 Hrs.**

Degenerating and demyelinating disorders : Causes, pathophysiology, Clinical types, clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of Motor neuron diseases, Movement disorders- Tics, dystonia, chorea, wilson's disease, essential tremors, Dementia, Parkinson's disease, Multiple sclerosis and Alzemier's disease.

UNIT – 10**10 Hrs.**

Neuro infections: Causes, pathophysiology, clinical types, clinical features, diagnostic and prognosis. Management: medical, surgical and Nursing management of Neuro infections : Meningitis-types, Encephalitis, Poliomyelitis, Parasitic infections, Bacterial infections, Neurosyphilis, HIV & AIDS and Brain abscess.

UNIT – 11

Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and nursing management of Epilepsy and seizures, Status epilepticus, Syncope, Menier's syndrome and Cephalgia.

UNIT -12**10 Hrs.**

Developmental disorders: Causes, pathophysiology, clinical types, clinical features, diagnostic, prognosis, management: medical, surgical and nursing management of Hydrocephalus, Craniosynostosis, spina bifida- Meningocele, Meningomyelocele, encephalocele, syringomyelia, Cerebro vascular system anomalies, Cerebral palsies and Down's syndrome.

UNIT – 13**10 Hrs.**

Neuro muscular disorders : Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis , Management: medical, surgical and Nursing management of Polyneuritis – G B Syndrome, Muscular dystrophy, Myasthenia gravis, Trigeminal neuralgia, Bell's palsy, Menier's disease, Carpal tunnel syndrome and Peripheral neuropathies.

UNIT -14**5 Hrs.**

Neoplasms – surgical conditions: Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and nursing management of Space occupying lesions –types and common tumors of CNS.

UNIT – 15**5 Hrs.**

Other disorders: Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and nursing management of metabolic disorders- diabetes, insipidus, metabolic encephalopathy, Sleep disorders, Auto immune disorders- multiple sclerosis, inflammatory myopathies.

UNIT – 16**10 Hrs.**

Neuro emergencies: Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and nursing management of increased intracranial pressure, Unconscious, Herniation syndrome, Seizures, Severe head injuries, Spinal injuries and Cerebro vascular accidents.

UNIT -17**5 Hrs.**

Rehabilitation : Concept and Principles of Rehabilitation, Factors affecting quality of life and coping, Rehabilitation in acute care setting and following stroke, head injury and degenerative disorders of brain, Physiotherapy, Counselling and Care giver's role, speech & language -Neurogenic communication disorders and Speech therapy.

UNIT -18**5 Hrs.**

Ethical and legal issues in neuroscience nursing: Brain death and organ transplantation, Euthanasia, Negligence and malpractice and Nosocomial infections.

UNIT -19**5 Hrs.**

Quality assurance in neurological nursing practice : Role of advance practitioner in neurological nursing, Professional practice standards, Quality control in neurologic nursing, Nursing audit, Neuro ICU: Philosophy, aims and objectives, Policies, staffing pattern, design and physical plan of neuro ICU, Team approach, functions, Psychosocial aspects in relation to staff and clients of neuro ICU and In-service education.

TEXT BOOK:

1. Hickey. Neurologic & Neurosurgical Nursing. 8thed. New York; Lippincott William and Wilkins: 2009.
2. Deshpande. Clinics in Neurology. 1sted. New Delhi; Jaypee publishers: 2014.
3. Jabbour. Neurovascular surgical techniques. 1sted. New Delhi; Jaypee publishers: 2013.

REFERENCE BOOKS:

1. Tandon. Ramamurthi and tendon's textbook of Neurosurgery. 1sted. New Delhi; Jaypee publishers: 2014.
2. Amato. Neuromuscular Disorders. 1sted. New Delhi; Jaypee publishers: 2008.
3. Salcman. Kempe's Operative Neurosurgery. 2nded. New Delhi; Jaypee publishers: 2004.
4. Clement. Textbook of Neurological and Neurosurgical Nursing. 1sted. New Delhi; Jaypee publishers: 2015.

PRACTICAL**Total = 960 hours****1 Week = 30 hours**

S.No.	Dept/Unit	No. of Week	Total Hours
1	O.P.D.	2	60 Hours
2	Casualty	2	60 Hours
3	Diagnostics	2	60 Hours
4	Neuro psychiatry	1	30 Hours
5	Neuro Medical wards	4	120 Hours
6	Paediatric Neuro ward	2	60 Hours
7	Neuro surgical wards	4	120 Hours
8	Head Injury ward	3	90 Hours
9	ICU – neuro medicine	4	120 Hours
10	ICU – neuro surgical	4	120 Hours
11	Rehabilitation	2	60 Hours
12	Operation Theatre	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-E
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(NEPHRO - UROLOGY NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of Nephro and urological Nursing.
2. Help students to develop advanced skills for nursing intervention in various nephro and urological conditions.
3. Enable the student to function as nephro and urology nurse practitioner/specialist and provide quality care, educator, manager, and researcher in the field of nephro and urology nursing

COURSE OUTCOMES:

1. Appreciate trends and issues related to nephro and urological nursing
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of nephro and urological conditions
3. Perform physical, psychosocial & spiritual assessment
4. Assist in various diagnostic, therapeutic and surgical interventions
5. Provide comprehensive nursing care to patients with nephro and urological conditions
6. Describe the various drugs used in nephro and urological conditions and nurses responsibility
7. Demonstrate skill in handling various equipments/gadgets used for patients with nephro and urological conditions
8. Appreciate team work & coordinate activities related to patient care.
9. Practice infection control measures.
10. Identify emergencies and complications & take appropriate measures
11. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs
12. Discuss the legal and ethical issues in nephro and urological nursing
13. Identify the sources of stress and manage burnout syndrome among health care providers
14. Appreciate the role of alternative system of medicine in the care of patient
15. Incorporate evidence based nursing practice and identify the areas of research in the field of nephro and urological nursing

16. Teach and supervise nurses and allied health workers.
17. Design a layout of kidney transplant unit and dialysis unit
18. Develop standards of nephro urological nursing practice

UNIT - 1

5 Hrs.

Introduction: Historical development: trends and issues in the field of nephro and urological nursing, Nephro and urological problems, Concepts, principles and nursing perspectives, Ethical and legal issues, Evidence based nursing and its application in nephro and urological nursing (To be incorporated in all the units).

UNIT - 2

5 Hrs.

Epidemiology : Major health problems- urinary dysfunction, urinary tract infections, Glomerular disorders, obstructive disorders and other urinary disorders, Risk factors associated with nephro and urological conditions - Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations, Health promotion, disease prevention, life style modification and its implications to nursing and Alternate system of medicine/complementary therapies.

UNIT - 3

5 Hrs.

Review of anatomy and physiology of urinary system Embryology, Structure and functions, renal circulation, physiology of urine formation. Fluid and electrolyte balance, acid base balance and immunology specific to kidney.

UNIT - 4

20 Hrs.

Assessment and diagnostic measures : History taking, Physical assessment, psychosocial assessment, Common assessment abnormalities-dysurea, frequency, enuresis, urgency, hesitancy, hematuria, pain, retention, burning on urination, pneumaturia, incontinence, nocturia, polyurea, anuria, oliguria. Diagnostic tests-urine studies, blood chemistry, radiological procedures-KUB, IVP, nephrotomogram, retrograde pyelogram, renal arteriogram, renal ultrasound, CT scan, MRI, cystogram, renal scan, biopsy, endoscopy, cystoscopy, urodynamics studies, cystometrogram, urinary flow study, sphincter electromyography, voiding pressure flow study, videourodynamics, Whitaker study Interpretation of diagnostic measures and nurse's role in diagnostic tests.

UNIT -5

5 Hrs.

General Concept of immunopathology, Immune mechanism of glomerular vascular disease and Role of mediator systems in glomerular vascular disease.

UNIT - 6

15 Hrs.

Renal immunopathy /Immunopathology : Urological Disorders and Nursing Management: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of Urinary tract infections-pyelonephritis, lower urinary tract infections, Disorders for ureters, bladder and urethra, Urinary dysfunctions- urinary retention, urinary incontinence, urinary reflux, Bladder

disorders- neoplasms, calculi, neurogenic bladder, trauma, congenital abnormalities, benign prostatic hypertrophy (BPH) Ureteral disorders: ureteritis, ureteral trauma, congenital anomalies of ureter, Urethral disorders- tumours, trauma and congenital anomalies of ureters.

UNIT - 7

25 Hrs.

Glomerular disorders and nursing management: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of Glomerular nephritis- chronic, acute, nephritic syndrome, Acute Renal failure and chronic renal failure. Renal calculi, renal tumours- benign and malignant, renal trauma, Renal abscess, Diabetic nephropathy, Vascular disorders, Renal tuberculosis, Polycystic, Congenital disorders and Hereditary renal disorders.

UNIT - 8

10 Hrs.

Management of Renal emergencies: Anuria, acute renal failure, poisoning, trauma, urine retention, acute graft rejection, hematuria and nurse's role.

UNIT - 9

10 Hrs.

Drugs used in Urinary Disorders: Classification, indications, contraindications, actions and effects, toxic effects and role of nurse.

UNIT - 10

10 Hrs.

Dialysis: Historical, types, principles and goals. Hemodialysis - vascular access sites- temporary and permanent. Peritoneal dialysis and dialysis procedure- steps, equipment, maintenance, role of nurse- pre dialysis, intra and post dialysis. Complications, counseling, patient education, records and reports.

UNIT - 11

10 Hrs.

Kidney transplantation, nursing management of a patient with kidney transplantation, kidney transplantations- a historical review, immunology of graft rejections, the recipient of a renal transplant, renal preservations, Human leucocytic antigen (HLA) typing matching and cross matching in renal transplantation. Surgical techniques of renal transplantations, chronic renal transplant rejection, complication after KTP : Vascular and lymphatic, urological, cardiovascular, liver and neurological, infectious complication, KTP in children and management of pediatric patient with KTP, KTP in developing countries, results of KTP, work up of donor and recipient for renal transplant, psychological aspect of KTP and organ donations, ethics in transplants, cadaveric transplantation.

UNIT - 12

5 Hrs.

Rehabilitation of patient with nephrological problems, risk factors and prevention, rehabilitation of patients on dialysis and after kidney transplant, rehabilitation of patients after urinary diversions, family and patient teaching.

UNIT – 13**10 Hrs.**

Paediatric Urinary Disorder : Etiology, clinical manifestations, diagnosis, prognosis, related patho-physiology, medical, surgical and nursing management of children with renal diseases-UTI, ureteral reflux, glomerulonephritis, nephritic syndrome, infantile nephrosis, cystic kidneys, familial factors in renal diseases in childhood, haemolytic uraemic syndrome. Benign recurrent haematuria, nephropathy, Wilms' tumour

UNIT – 14**10 Hrs.**

Critical care units-Dialysis, KTP unit : Philosophy, aims and objectives, policies, staffing pattern, design and physical plan of Dialysis and KTP units, team approach, functions, psychosocial aspects in relation to staff and clients of ICU, dialysis unit, In-service education, ethical and legal issues.

UNIT – 15**5 Hrs.**

Quality assurance in nephrological nursing practice: Role of advanced practitioner in neurological nursing, Professional practice standards, Quality control in neurologic nursing and nursing audit.

TEXT BOOK :

1. Kamat. Management of Urological problems in general practice. 2nded. New Delhi; Jaypee publishers: 2005.
2. Kalra. Renal disease prevention and management. 1sted. New Delhi; Jaypee publishers: 2008.
3. Chris Bassett. Essentials of Nursing Care. 1st Edition. New Delhi: IK International Pvt. Limited; 2004.

REFERENCE BOOKS:

1. Baughman Diane.C. Hand Book for Brunner/Sydney's Text book of Medical Surgical Nursing. 1sted. New York: Lippincott; 1996.
2. Arlene L Polaski, Suzanne E Tatro, Luckmann's Core Principles and Practice Of Medical Surgical Nursing. 1st Edition. India: WB Saunders Elsevier's Publisher; 2010.
3. Caroline Bunker Rosdahl Textbook of Basic Nursing. 7th Edition. Philadelphia: Lippincott Publishers; 1999.

PRACTICAL

Total = 960 hours

1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Nephrology Ward	6	180 Hours
2	Pediatrics	2	60 Hours
3	Critical Care Unit	2	60 Hours
4	Urology Ward	6	180 Hours
5	Dialysis Unit	4	120 Hours
6	Kidney Transplantation Unit	2	60 Hours
7	URO OT	2	60 Hours
8	Emergency Wards	2	60 Hours
9	UroNephro OPDs	4	120 Hours
10	Diagnostic Labs	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-F
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(ORTHOPEDIC NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of orthopedic nursing.
2. Help students to develop advanced skills for nursing intervention in various orthopedic conditions.
3. Enable the student to function as orthopedic nurse practitioner/specialist providing quality care, educator, manager, and researcher in the field of orthopedic nursing

COURSE OUTCOMES:

1. Appreciate the history and developments in the field of orthopedic nursing
2. Identify the psycho-social needs of the patient while providing holistic care.
3. Perform physical and psychological assessment of patients with orthopedic conditions and disabilities.
4. Describe various disease conditions and their management
5. Discuss various diagnostic tests required in orthopedic conditions
6. Apply nursing process in providing care to patients with orthopedic conditions and those requiring rehabilitation.
7. Recognize and manage orthopedic emergencies.
8. Describe recent technologies and treatment modalities in the management of patients with orthopedic conditions and those requiring rehabilitation.
9. Integrate the concept of family centered, long term care and community based rehabilitation to patients with orthopedic conditions.
10. Counsel the patients and their families with orthopedic conditions
11. Describe various orthotic and prosthetic appliances
12. Appreciate the legal and ethical issues pertaining to patients with orthopedic conditions and those requiring rehabilitation.
13. Appreciate the role of alternative system of medicine in care of patients with orthopedic conditions
14. Incorporate evidence based nursing practice and identifies the areas of research in the field of orthopedic nursing.

15. Recognize the role of orthopedic nurse practitioner and as a member of the orthopedic and rehabilitation team.
16. Teach orthopedic nursing to undergraduate students and in-service nurses.
17. Prepare a design and layout of orthopedic and rehabilitative units.

UNIT - 1

5 Hrs.

Introduction : Historical perspectives – History and trends in orthopedic nursing, Definition and scope of orthopedic nursing, Anatomy and physiology of Musculo-skeletal system, Posture, Body landmarks, Skeletal system, Muscular system, Nervous system - Main nerves, Healing of - Injury, bone injury, Repair of ligaments, Systemic response to injury, Ergonomics, Body mechanics, biomechanical measures and Orthopedic team.

UNIT - 2

8 Hrs.

Health Assessment: History, physical examination- Inspection, palpation, movement, Measurement, muscle strength Testing, Diagnostic studies – Radiological studies, Muscle enzymes, serologic studies.

UNIT -3

10 Hrs.

Care of patients with devices: Splints, braces, various types of plaster cast, various types of tractions, various types of orthopedic beds and mattresses, comfort devices, Implants in orthopedic, Prosthetics and Orthotics.

UNIT - 4

15 Hrs.

Injuries : Trauma & Injuries; Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of: Early management of Trauma, Fractures, Injuries of the Shoulder and arm, Elbow, fore arm, wrist, hand, Hip, thigh, knee, leg, ankle, foot & Spine, Head injury, Chest injury: Poly trauma, Nerve injuries, Vascular injuries, Soft tissue injuries, Sports injuries and Amputation.

UNIT - 5

8 Hrs.

Infections of Bones and Joints: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of: Tuberculosis, Osteomyelitis, Arthritis and Leprosy.

UNIT - 6

5 Hrs.

Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical, surgical and nursing management of Bone tumors – Benign, Malignant and metastatic and Different types of therapies for tumors.

UNIT - 7

10 Hrs.

Bone Tumors Deformities: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis – medical surgical and nursing management of Scoliosis, Kyphosis, Lordosis, Congenital disorders: Congenital dislocation of hip(CDH), Dislocation of patella, knee, Varus and valgus deformities Deformities of digits, Congenital torticollis.

Meningocele, meningomyelocele, spina bifida, Chromosomal disorders and Computer related deformities.

UNIT – 8

5 Hrs.

Disorders of the spine Intervertebral disc prolapse, Fracture of the spine, Low back disorder – Low back pain, PND, spinal stenosis and spondylosis.

UNIT – 9

5 Hrs.

Nutritional/Metabolic and Endocrine Disorders: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of Rickets, Scurvy, Hyper vitaminosis A and D, Osteomalacia, Osteoporosis, Paget's disease, gout, Gigantism, Dwarfism, Acromegaly, and Therapeutic diets for various orthopedic disorders.

UNIT -10

8 Hrs.

Neuro – Muscular Disorders Causes, pathophysiology, clinical features, diagnosis, prognosis, medical surgical and nursing management of: Poliomyelitis, Cerebral Palsy, Myasthenia gravis, Spina bifida, Peripheral nerve lesion, Paraplegia, Hemiplegia, Quadriplegia, Muscular dystrophy.

UNIT -11

8 Hrs.

Chronic/Degenerative Diseases of Joints and Autoimmune Disorders: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis – medical, surgical and nursing management of Osteo Arthritis, Rheumatoid Arthritis, Ankylosing spondylitis, Spinal disorders and Systemic Lupus Erythematosus.

UNIT – 12

5 Hrs.

Orthopedic Disorders in Children: General and special consideration on pediatric orthopedics, Genetic disorders, Congenital anomalies, Growth disorders, Genetic counseling and Nurses role in genetic counseling.

UNIT – 13

5 Hrs.

Geriatric Problems :Geriatric population, types of disabilities, causes, treatment and Management-Hospitalization, rest, physiotherapy, involvement of family members, social opportunities, Care at home – involvement of family and community, follow up care and rehabilitation.

UNIT -14

6 Hrs.

Pharmacokinetics: Principles of drug administration, Analgesics and anti-inflammatory agents, Antibiotics, Antiseptics, Drugs used in orthopedics and neuromuscular disorders, Blood and blood components, Care of drugs and nurses role

UNIT -15

30 Hrs.

Nurses Role in Orthopedic Conditions Gait analysis, Urodynamic studies, Prevention of physical deformities, Alteration of body temperature regulatory system and immune systems, Immobilization – cast, splints, braces and tractions, Prevention and care of

problems related to immobility, Altered sleep patterns, Impaired communication, Self-care and activities of daily living, Bladder and bowel rehabilitation, Sensory function rehabilitation, Psychological reaction related to disabilities and disorders, Coping of individual and family with disabilities and disorders, maintaining sexuality and Spirituality – A rehabilitative prospective. Orthopedic Reconstructive Surgeries: Replacement surgeries – Hip, Knee, Shoulder, Spine surgeries, Grafts and flaps surgery and Deformity correction. Physiotherapy: Concepts, Principles, purpose, Mobilization – Exercises: types, re-education in walking: Crutch walking, wheel chair, Transfer techniques, Types of gaits: Non-weight bearing, partial weight bearing, four point crutch, tripod, walking with sticks, calipers, Forms of therapies: Hydrotherapy, electrotherapy, wax bath, heat therapy, ice, helio therapy, radiant heat and Chest physiotherapy.

UNIT -16

8 Hrs.

Rehabilitation: Principles of rehabilitation, definition, philosophy, process, various types of therapies, special therapies and alternative therapies, Rehabilitation counseling, Preventive and restorative measures. Community based rehabilitation (CBR), Challenges in rehabilitation, Role of the nurse in rehabilitation, legal and ethical issues in rehabilitation nursing and occupational therapy.

UNIT -17

5 Hrs.

National Policies and Programmes: National programmes for rehabilitation of persons with disability - National Institutes, artificial limbs manufacturing Corporation, District Rehabilitation Centers and their schemes. Regional rehabilitation centers etc. Public policy in rehabilitation nursing, The persons with disabilities act 1995, Mental rehabilitation and Multiple disabilities act 1992, The National Trust Rules 1999 and 2000, Rehabilitation Council of India, Legal and ethical aspects in orthopedic nursing, Rehabilitation health team and different categories of team members.

UNIT -18

4 Hrs.

Quality assurance: Standards, Protocols, Policies, Procedures, Nursing audit, Staffing, Design of orthopedic, physiotherapy and rehabilitation unit.

TEXT BOOK :

1. John Ebenezer. Orthopaedics for Nurses. 1sted. New Delhi: Jaypee brother's publishers; 2005.
2. Mary Powell, Orthopaedic Nursing, ELBS: 1976.
3. B T Basvanthappa. Text book of Medical surgical nursing. NewDelhi: Jaypee publishers; 2003.

REFERENCE BOOKS:

1. Barbara K Timbly, Nancy K Smith. Medical Surgical Nursing. USA. Williams and Wilkins; 2007.
2. Lewis Heitkemper, DirksenO'Brien. Medical Surgical Nursing 7th Edition. Missouri: Elsevier publishers: 2008.

3. Joyce M Black, Jane Hawks. Text book of Medical surgical nursing. 7th Edition. New Delhi: Elsevier publication; 2005.

PRACTICAL

1. Clinical practice in Orthopedic, physiotherapy and Rehabilitation Units.
2. Application of tractions and plaster casts and removal of tractions and plaster casts and other appliances.
3. Apply Theories and Nursing Process in the management of patients with orthopedic conditions.
4. Provide various types of physical and rehabilitative therapies
5. Provide health education on related disease conditions.
6. Unit management and plan - designing

Total = 960 hours
1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Orthopedic Ward	8	240 Hours
2	Orthopedic Operation theatre	4	120 Hours
3	Neurosurgical Ward	2	60 Hours
4	Orthopedic O.P.D	4	120 Hours
5	Casualty / Emergency and Trauma	4	120 Hours
6	Rehabilitation Units	2	60 Hours
7	Physiotherapy Unit	4	120 Hours
8	Paediatric / Paediatric surgery unit	2	60 Hours
9	Field Visit	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-G
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(GASTRO ENTEROLOGY NURSING)
CLINICAL SPECIALITY – II
L: T/A: P: C : 150:2: 950: 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in-depth understanding in the field of gastro enterology Nursing.
2. Help students to develop advanced skills for nursing intervention in various gastro enterology conditions.
3. Enable the student to function as gastro enterology nurse practitioner/specialist and provide quality care, educator, manager, and researcher in the field of gastro enterology nursing

COURSE OUTCOMES:

1. Appreciate trends and issues related to gastro enterology nursing
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of gastrointestinal conditions
3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with gastrointestinal conditions
4. Perform physical, psychosocial & spiritual assessment
5. Assist in various diagnostic, therapeutic and surgical procedures
6. Provide comprehensive care to patients with gastrointestinal conditions
7. Describe the various drugs used in gastrointestinal conditions and nurses responsibility
8. Demonstrate skill in handling various equipment /gadgets used for patients with gastrointestinal conditions
9. Appreciate team work & coordinate activities related to patient care.
10. Practice infection control measures.
11. Identify emergencies and complications & take appropriate measures
12. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs
13. Discuss the legal and ethical issues in GE nursing
14. Identify the sources of stress and manage burnout syndrome among health care providers

15. Appreciate the role of alternative system of medicine in care of patient
16. Incorporate evidence based nursing practice and identify the areas of research in the field of gastrointestinal nursing
17. Teach and supervise nurses and allied health workers.
18. Design a layout of Gastro enterology intensive care unit (GEICU), liver care/transplant unit

UNIT - 1

5 Hrs.

Introduction: Historical development: trends and issues in the field of gastro enterology and gastro enterological problems. Concepts, principles and nursing perspectives, Ethical and legal issues, Evidence based nursing and its application in gastrointestinal nursing (to be incorporated in all the units).

UNIT -2

5 Hrs.

Epidemiology : Risk factors associated with GE conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations, Health promotion, disease prevention, life style modification and its implications to nursing, National health programmes related to gastro enterology and Alternate system of medicine/complementary therapies.

UNIT - 3

5 Hrs.

Review of anatomy and physiology of gastrointestinal system: Gastrointestinal system, Liver, biliary and pancreas, Gerontology considerations, embryology of GI system and Immunology specific to GI system.

UNIT - 4

15 Hrs.

Assessment and diagnostic measures : History taking, Physical assessment, psychosocial assessment, Diagnostic tests: Radiological studies: Upper GIT- barium swallow, lower GIT- Barium enema, Ultra sound, Computed tomography, MRI, Cholangiography: Percutaneous transhepatic Cholangiogram(PTC), Magnetic Resonance Cholangiopancreatography (MRCP), Nuclear imaging scans(scintigraphy), Endoscopy, Colonoscopy, Proctosigmoidoscopy, Endoscopic Retrograde Cholangiopancreatography (ERCP), Endoscopic ultrasound, Peritonoscopy (Laparoscopy), Gastric emptying studies, Blood chemistries: Serum amylase, serum lipase, Liver biopsy, Miscellaneous tests: Gastric analysis, fecal analysis, Liver function tests: Bile formation and excretion, dye excretion test, Protein metabolism, haemostatic functions- Prothrombin, vitamin K production, serum enzyme tests, Lipid metabolism, serum cholesterol, Interpretation of diagnostic measures and nurse's role in diagnostic tests.

UNIT - 5

25 Hrs.

Gastro intestinal disorders and nursing management : Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of Disorders of the mouth: Dental caries, Periodontal disease, Acute tooth infection, Stomatitis, Thrush (moniliasis), Gingivitis, Leukoplakia, Inflammation of the parotid gland, Obstruction to the flow of saliva, Fracture of the jaw. Disorders of the oesophagus: Reflux oesophagitis, Oesophageal achalasia, Oesophageal varices, Hiatus hernia, Diverticulum,

Disorders of the stomach and duodenum: Gastritis, Peptic ulcer, Dumping of the stomach, Food poisoning, idiopathic gastroparesis, Aerophagia and belching syndrome, Ideopathic cyclic nausea and vomiting, Rumination syndrome, Functional dyspepsia, Chronic Non specific (functional) abdominal pain. Disorders of the small intestine: Malabsorption syndrome – tropical sprue, Gluten – sensitive enteropathy (Coeliac disease), Inflammatory diseases of intestines and abdomen: appendicitis, Peritonities, Intestinal obstruction, Abdominal TB, Gastrointestinal polyposis syndrome, Chronic inflammatory bowel disease, Ulcerative colites, crohn’s disease, Infestations and infections – Worm infestations, Typhoid, Leptospirosis, Solitary rectal ulcer syndrome, Alteration in bowel elimination (diarrhoea, constipation, fecal impaction, fecal incontinence, Irritable bowel syndrome, Chronic idiopathic constipation and Functional diarrhea. Anorectal Conditions: Hemorrhoids, Anal fissure, Anal fistula, Abscess, Strictures, Rectal prolapse, Pruritis ani, Perianal disease, Anal condylomas and Warts.

UNIT – 6

15 Hrs.

Disorder of liver, pancreas gall bladder and nursing management : Disorders of liver biliary tract : Viral Hepatitis – A, B, C, D & E, Toxic hepatitis, Cirrhosis of liver, liver failure, Liver transplantation, Non cirrhotic portal fibrosis, Liver abscess, Parasitic and other cysts of the liver, Disorders of the Gall Bladder and Bile Duct: Cholecystitis, Cholelithiasis, Choledocholithiasis, Disorders of the pancreas: Pancreatitis, Benign tumors of islet cells, Disorders of the Peritoneum: Infections of the peritoneum, Surgical peritonitis, Spontaneous bacterial peritonitis, Tuberculosis peritonitis. Disorders of the Diaphragm: Diaphragmatic hernia, congenital hernias, Paralysis of diaphragm, Tumors of the diaphragm and Hiccups.

UNIT – 7

15 Hrs.

Gastro intestinal emergencies and nursing interventions : Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of: Esophageal varices, Ulcer perforation, Acute cholecystitis, Diverticulitis, Fulminant hepatic failure, Biliary obstruction, Bowel obstruction, Gastroenteritis, Intussusception, Acute intestinal obstruction, perforation, Acute pancreatitis, Cirrhosis of liver complications, Liver , spleen, stomach, pancreatic, mesenteric, bowel and greater vessel injuries, Acute appendicitis /peritonitis, Acute abdomen and Food poisoning.

UNIT – 8

15 Hrs.

Congenital Anomalies of Esophagus: Esophageal atresia, Tracheo esophageal fistula, Esophageal stenosis, Esophageal duplications, Dysphagia – Lusoria – aberrant right subclavian artery compressing esophagus, Esophageal rings – schalzkiring, Esophageal webs. Congenital Anomalies of Stomach; Gastric atresia, Micro gastria, Gastric diverticulum, Gastric duplication, Gastric teratoma, Gastric volvulus, Infantile hypertrophic pyloric stenosis and Adult hypertrophic pyloric stenosis. Congenital Anomalies of Duodenal: Duodenal Atresia or stenosis, Annular pancreas, Duodenal duplication cysts, Malrotation and mid gut volvulus. Developmental anomalies of the intestine: Abdominal

wall defects (omphalocele and Gastroschisis), Meckel's diverticulum and Intestinal atresia and Hirschsprung's disease.

UNIT – 9

15 Hrs.

Pharmo Kinetics : Drugs used in GIT, Principles of administration, Roles & responsibilities of nurses, drugs in Peptic ulcer disease, Proton Pump inhibitors, H₂ Receptor Antagonists. Cytoprotective Agents, Drugs used in Diarrhea and Drugs used in constipation, Drugs used in Inflammatory Bowel Disease: Aminosaliclates, Corticosteroids, Immunomodulators, chemotherapy, Antibiotics, Antiemetics: Anticholinergics, Antihistaminics, Anthelmintics and Vitamin Supplements.

UNIT – 10

10 Hrs.

Nutrition and nutritional problems related to GI system : Nutritional assessment and nursing interventions, Therapeutic diets, adverse reactions between drugs and various foods, Malnutrition- etiology, clinical manifestations and management, Tube feeding, parenteral nutrition, total parenteral nutrition, Obesity- etiology, clinical manifestations and management, Eating disorders- anorexia nervosa, bulimia nervosa and recent advances in nutrition.

UNIT – 11

15 Hrs.

Malignant disorders of gastro intestinal system: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical, other modalities and nursing management of: Malignancy of oral cavity, Lip, Tongue, buccal mucosa, oropharynx, Salivary gland. Esophageal, Gastric, Carcinoma of bowel - Small bowel, Colorectal and Anal carcinoma, Liver, biliary tract and Pancreatic carcinoma.

UNIT - 12

5 Hrs.

Administration and management of GE unit: Design & layout, Staffing, Equipment, supplies, Infection control; Standard safety measures. Quality Assurance:-Nursing audit – records /reports, Norms, policies and protocols and Practice standards.

UNIT – 13

5 Hrs.

Education and training in GE care: Staff orientation, training and development, In- service education program and Clinical teaching programs.

TEXT BOOK :

1. Phipps Wilma J, Shafer's Medical Surgical Nursing, B.T.Publication, Bangalore; 7:1995.
2. Smeltzer.S.C, Bare. B.G, Brunner &Suddarth's Text book of Medical Surgical Nursing, Lippincott, New York; 10: 2004.
3. Black Joyce, Medical Surgical Nursing: Clinical Management, Harcourt Brace, Singapore; 5: 1998.

REFERENCE BOOKS:

1. Verolyn Rae Bolander. Sorensen and Luckmann's Basic Nursing- A Psychophysiologic Approach. 3rd Edition. United States Of America: WB Saunders Company Publication; 1994.
2. Sharon Mantik Lewis, Margaret Mclean, Shannon Ruff Dirkson. Medical Surgical Nursing. 6th Edition. Missouri: Mosby Publications; 2004.
3. Chris Bassett. Essentials of Nursing Care. 1st Edition. New Delhi: IK International Pvt. Limited; 2004

PRACTICAL**Total = 960 hours****1 Week = 30 hours**

S. No.	Dept./Unit	No. of Week	Total Hours
1	Diagnosis labs	2	60 Hours
2	Emergency and casualty	3	90 Hours
3	Liver transplant unit	1	30 Hours
4	GE Medical Ward	6	180 Hours
5	GE Surgical Ward	8	240 Hours
6	OT	2	60 Hours
7	ICU	4	120 Hours
8	Pediatric gastroenterology	2	60 Hours
9	Oncology	2	60 Hours
10	GE OPD	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN203
TITLE OF THE COURSE : OBSTETRIC AND GYNECOLOGICAL NURSING
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist the student in developing expertise and in depth understanding in the field of Obstetric and gynecological Nursing.
2. Help the student to develop advanced nursing skills for nursing interventions in various obstetrical and gynecological conditions.
3. Further enable the students to function as midwifery nurse practitioner/ specialist, educator, manager and researcher in the field of obstetric and gynecological nursing.

COURSE OUTCOMES:

1. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of women with obstetric and gynecological conditions
2. Perform physical, psychosocial, cultural & spiritual assessment
3. Demonstrate competence in caring for women with obstetrical and gynecological conditions
4. Demonstrate competence in caring for high risk newborn.
5. Identify and Manage obstetrical and neonatal emergencies as per protocol.
6. Practice infection control measures
7. Utilize recent technology and various diagnostic, therapeutic modalities in the management of obstetrical, gynecological and neonatal care.
8. Demonstrate skill in handling various equipment /gadgets used for obstetrical, gynecological and neonatal care
9. Teach and supervise nurses and allied health workers.
10. Design a layout of specialty units of obstetrics and gynecology
11. Develop standards for obstetrical and gynecological nursing practice.
12. Counsel women and families
13. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetrical and gynecological nursing
14. Function as independent midwifery nurse practitioner

UNIT - 1**25 Hrs.**

Management of problems of women during pregnancy: Risk approach of obstetrical nursing care, concept & goals, Screening of high-risk pregnancy, newer modalities of diagnosis. Nursing management of pregnancies at risk-due to obstetrical complication: Pernicious Vomiting, Bleeding in early pregnancy, abortion, ectopic pregnancy, and gestational trophoblastic diseases, Hemorrhage during late pregnancy, ante partum hemorrhage, Placenta praevia, abruptio placenta. Hypertensive disorders in pregnancy, pre-eclampsia, eclampsia, Hemolysis Elevated liver enzyme Low Platelet count (HELLP) Iso-immune diseases. Rh and ABO incompatibility. Hematological problems in pregnancy, Hydramnios-oligohydramnios, prolonged pregnancy- post term, post maturity, multiple pregnancies, Intra uterine infection & pain during pregnancy, Intra Uterine Growth Retardation (IUGR), Premature Rupture of Membrane (PROM) and intra uterine death.

UNIT - 2**20 Hrs.**

Pregnancies at risk-due to pre-existing health problems: Metabolic conditions, Anemia and nutritional deficiencies, Hepatitis, cardio-vascular disease, thyroid diseases, epilepsy, essential hypertension and chronic renal failure. Tropical diseases, psychiatric disorders, Infections: Toxoplasmosis Rubella cytomegalo virus Herpes (TORCH), Reproductive Tract Infection (RTI), STD; HIV/AIDS, Vaginal infections, Leprosy, Tuberculosis. Other risk factors: Age- Adolescents, elderly; unwed mothers, sexual abuse, substance use, Pregnancies complicating with tumors, uterine anomalies, prolapsed and ovarian cyst.

UNIT - 3**15 Hrs.**

Abnormal labour, pre-term labour & obstetrical emergencies : Etiology, pathophysiology and nursing management of Uncoordinated uterine actions, Atony of uterus, precipitate labour, prolonged labour, Abnormal lie, presentation, position, compound presentation. Contracted pelvis-CPD, dystocia, Obstetrical emergencies - Obstetrical shock, vasa praevia, inversion of uterus, amniotic fluid embolism, rupture uterus, presentation and prolapse cord, Augmentation of labour, Medical and surgical induction, Version, Manual removal of placenta, Obstetrical operation: Forceps delivery, Ventouse, Caesarian section, Destructive operations, Genital tract injuries-Third degree perineal tear, VVF, RVF. Complications of third stage of labour: Postpartum Hemorrhage and Retained placenta.

UNIT - 4**10 Hrs.**

Post-partum complications: Nursing management of puerperal infections, puerperal sepsis, urinary complications, puerperal venous thrombosis and pulmonary embolism. Sub involution of uterus, Breast conditions, and thrombophlebitis. Psychological complications, post-partum blues, depression, psychosis

UNIT - 5**25 Hrs.**

High Risk Newborn : Concept, goals, assessment and principles. Nursing management of Pre-term, small for gestational age, post-mature infant and baby of diabetic and substance use mothers. Respiratory conditions, Asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumo thorax, pneumo mediastinum, Icterus neonatorum, Birth

injuries, Hypoxic ischaemic encephalopathy, Congenital anomalies, Neonatal seizures, Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia, Neonatal heart diseases, Neonatal hemolytic diseases, Neonatal infections, neonatal sepsis, ophthalmia neonatorum, congenital syphilis, HIV/AIDS. Advanced neonatal procedures and calculation of fluid requirements. Hematological conditions – erythroblastosis fetalis, hemorrhagic disorder in the newborn. Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.

UNIT – 6

15 Hrs.

HIV/AIDS: HIV positive mother and her baby. Epidemiology, Screening and Parent to child transmission (PTCT), Prophylaxis for mother and baby, Standard safety measures, Counseling, Breast feeding issues, National policies and guidelines, Issues: Legal, ethical, Psychosocial and rehabilitation and Role of nurse.

UNIT – 7

25 Hrs.

Gynecological problems and nursing management : Gynecological assessment and Gynecological procedures, Etiology, pathophysiology, diagnosis and nursing management of Menstrual irregularities, Diseases of genital tract, Genital tract infections, Uterine displacement, Genital prolapsed, Genital injuries, Uterine malformation, Uterine fibroid, ovarian tumors, Breast carcinoma, Pelvic inflammatory diseases, reproductive tract malignancies, hysterectomy – vaginal and abdominal. Sexual abuse, rape, trauma and assault.

UNIT – 8

10 Hrs.

Administration and management of obstetrical and gynecological unit : Design & layout, staffing, Equipment, supplies, Infection control; Standard safety measures, Quality Assurance:-Obstetric auditing –records /reports. Norms, policies and protocols, Practice standards for obstetrical and gynecological units.

UNIT – 9

5 Hrs.

Education and training in obstetrical and gynecological care: Staff orientation, training and development, In-service education program and clinical teaching programs.

TEXT BOOK:

1. I. M. Bobak, D. L. Lowdermilk & S.E. Perry. Maternity Nursing. 4th edition. St. Louis: Mosby; 1995.
2. D.C. Dutta. Textbook of obstetrics. 6th edition. Calcutta: New central book agency; 2004.
3. Diane M. Fraser. Myles textbook for midwives. 14th edition. Edinburgh: Churchill Livingstone; 2004.
4. Annamma Jacob. A comprehensive textbook of midwifery. New Delhi; Jaypee medical publishers 2005.

REFERENCE BOOKS:

1. James David K. High risk Pregnancy management's options. 2nd ed. London; W B Saunders; 1999.
2. Lee Richard V.Ed. Medical care of the pregnant patient. 1st ed. Philadelphia; American college; 2000.
3. Alexander J.O. Midwifery Practices care topics. 1st ed. London; Macmillan: 1996.
4. Kargar Ishbel Ed. Challenges in the Midwifery Care.1st ed. London; Macmillan: 1997

PRACTICAL**Total = 960 hours****1 Week = 30 hours**

S.No.	Dept/Unit	No. of Week	Total Hours
1	Antenatal OPD including Infertility clinics/Reproductive medicine, Family welfare and post partum clinic / PTCT	6	180 Hours
2	Antenatal and Postnatal ward	6	180 Hours
3	Labour room	4	120 Hours
4	Neonatal Intensive Care Unit	3	90 Hours
5	Obstetric / Gynae Operation Theatre	3	90 Hours
6	Gynae Ward	4	120 Hours
7	CHC, PHC, SC	6	180 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN204
TITLE OF THE COURSE : **CHILD HEALTH NURSING**
L: T/A: P: C : 150:2: 950: 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of Pediatric Nursing.
2. Help students to develop advanced skills for nursing intervention in various pediatric medical and surgical conditions.
3. Enable the student to function as pediatric nurse practitioner/specialist, educator, manager, and researcher in the field of Pediatric nursing.

COURSE OUTCOMES:

1. Apply the nursing process in the care of ill infants to pre adolescents in hospital and community.
2. Demonstrate advanced skills/competence in nursing management of children with medical and surgical problems.
3. Recognize and manage emergencies in children.
4. Provide nursing care to critically ill children.
5. Utilize the recent technology and various treatment modalities in the management of high risk children.
6. Prepare a design for layout and describe standards for management of pediatric units/hospitals.
7. Identify areas of research in the field of pediatric nursing.

UNIT - 1

5 Hrs.

Introduction : Current principles, practices and trends in Pediatric Nursing, Role of pediatric nurse in various settings -Expanded and Extended.

UNIT – 2

35 Hrs.

Pathophysiology, assessment (including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities and nursing intervention in selected pediatric medical disorders. Child with respiratory disorders :

Upper respiratory tract: choanal atresia, tonsillitis, epistaxis, aspiration. Lower respiratory tract: Broncheolitis, Bronchopneumonia, Asthma, cystic fibrosis. Child with gastro-intestinal disorders: Diarrheal diseases, gastro-esophageal reflux. Hepatic disorders: Hepatitis, Indian childhood cirrhosis, liver transplantation, Malabsorption syndrome, Malnutrition. Child with renal/ urinary tract disorders: Nephrotic syndrome, Nephritis, Hydronephrosis, hemolytic-uremic syndrome, kidney transplantation. Child with cardio-vascular disorders: Acquired: Rheumatic fever, Rheumatic heart disease, Congenital: Cyanotic and acynotic. Child with endocrine/metabolic disorders: Diabetes insipidus, Diabetes Mellitus – IDDM, NIDDM, hyper and hypo thyroidism, phenylketonuria, galactosemia. Child with Neurological disorders: Convulsions, Meningitis, encephalitis, guillian- Barre syndrome.

Child with oncological disorders: Leukemias, Lymphomas, Wilms' tumor, nephroblastomas, neuroblastomas, Rhabdomyosarcoma, retinoblastoma, hepatoblastoma, bone tumors, Child with blood disorders: Anemias, thalassemias, hemophilia, polycythemia, thrombocytopenia, and disseminated intravascular coagulation. Child with skin disorders, Common Eye and ENT disorders and common Communicable diseases.

UNIT – 3

35 Hrs.

Assessment (including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities including cosmetic surgery and nursing interventions in selected pediatric surgical problems/ Disorders.

Gastrointestinal system : Cleft lip, cleft palate and conditions requiring plastic surgery, Tracheo esophageal fistula/atresia, Hirschsprungs' disease/megacolon, malrotation, intestinal obstruction, duodenal atresia, gastrochisis, exomphalus, anorectal malformation, omphalocele, diaphragmatic hernia. Anomalies of the nervous system: Spina bifida, Meningocele, Myelomeningocele, hydrocephalus. Anomalies of the genito-urinary system: Hypospadias, Epispadias, Undescended testes, Exstrophy bladder. Anomalies of the skeletal system, Eye and ENT disorders, Nursing management of the child with traumatic injuries: General principles of managing Pediatric trauma: Head injury, abdominal injury, poisoning, foreign body obstruction, burns & Bites. Child with oncological disorders: Solid tumors of childhood, Nephroblastoma, Neuro blastoma, Hodgkin's/Non-Hodgkin's Lymphoma, Hepatoblastoma, Rhabdomyosarcoma. Management of stomas, catheters and tubes, management of wounds and drainages.

UNIT – 4

10 Hrs.

Intensive care for pediatric client : Resuscitation, stabilization & monitoring of pediatric patients, Anatomical & physiological basis of critical illness in infancy and childhood, Care of child requiring long-term ventilation, Nutritional needs of critically ill child, Legal and ethical issues in pediatric intensive care, Intensive care procedures, equipment and techniques and documentation.

UNIT – 5

20 Hrs.

High Risk Newborn : Concept, goals, assessment and principles. Nursing management of Post-mature infant and baby of diabetic and substance use mothers. Respiratory conditions: Asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumo thorax, pneumo mediastinum. Icterus neonatorum, Birth injuries, Hypoxic ischaemic encephalopathy, Congenital anomalies. Neonatal seizures, Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia. Neonatal heart diseases, Neonatal hemolytic diseases, Neonatal infections, neonatal sepsis, ophthalmia neonatorum, congenital syphilis, HIV/AIDS, Advanced neonatal procedures, Calculation of fluid requirements. Hematological conditions – erythroblastosis fetalis, hemorrhagic disorder in the newborn, Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.

UNIT – 6 **10 Hrs.**

Developmental disturbances and implications for nursing : Adjustment reaction to school, learning disabilities, Habit disorders, speech disorders, Conduct disorders, early infantile autism, Attention deficit hyperactive disorders (ADHD), depression and childhood schizophrenia.

UNIT -7 **10 Hrs.**

Challenged child and implications for nursing : Physically challenged, causes, features, early detection & management. Cerebral palsied child, mentally challenged child, Training & rehabilitation of challenged children.

UNIT – 8 **5 Hrs.**

Crisis and nursing intervention : The hospitalized child, Terminal illness & death during childhood and Nursing intervention-counseling.

UNIT – 9 **5 Hrs.**

Drugs used in Pediatrics : Criteria for dose calculation: Administration of drugs, oxygen and blood, Drug interactions, Adverse effects and their management.

UNIT – 10 **10 Hrs.**

Administration and management of pediatric care unit

: Design & layout, Staffing, Equipment, supplies, Norms, policies and protocols and Practice standards for pediatric care unit and Documentation.

UNIT – 11 **5 Hrs.**

Education and training in Pediatric care: Staff orientation, training and development, In-service education program and Clinical teaching Programme.

TEXT BOOK :

1. Wong. Whaley & Wong's nursing care of Infants & Children. 5th ed. St. Louis; Mosby: 1995.
2. Meharban Singh. Care of the Newborn. 6thed. New Delhi; Sagar: 2004.
3. Marlow Dorothy. Textbook of Pediatric Nursing. 6th ed. Philadelphia; W B. Saunders: 2001.

REFERENCE BOOKS:

1. Gupte. Short Textbook of Pediatrics. 10th edition. New Delhi: Jaypee; 2004.
2. Datta. Paediatric Nursing. 3rd edition. New Delhi: Jaypee publishers; 2014.
3. Guha. Practical Newborn Critical care Nursing. 1st edition. New Delhi: Jaypee publishers; 2015.

PRACTICAL

Total = 960 hours

1 Week = 30 hours

Field visits:

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Pediatric medicine ICU	4	120 Hours
2	Pediatric surgical ICU	4	120 Hours
3	NICU	4	120 Hours
4	Pediatric OT	2	60 Hours
5	Pediatric medicine ward	6	180 Hours
6	Pediatric surgery ward	6	180 Hours
7	Emergency / Casualty	4	120 Hours
8	Field visits*	2	60 Hours
	Total	32 Weeks	960 Hours

*Child care center, Anganwadi, play school, Special schools for challenged children, Juvenile court, UNICEF, Orphanage, Creche, SOS village.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN205
TITLE OF THE COURSE : **MENTAL HEALTH NURSING**
L: T/A:P: C : 150 : 2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of Psychiatric Nursing.
2. Help students to develop advanced skills for nursing intervention in various psychiatric conditions.
3. Enable the student to function as psychiatric nurse practitioner/specialist, educator, manager, and researcher in the field of Psychiatric nursing.

COURSE OUTCOMES:

1. Apply the nursing process in the care of patients with mental disorders in hospital and community
2. Demonstrate advanced skills/competence in nursing management of patients with mental disorders
3. Identify and care for special groups like children, adolescents, women, elderly, abused and neglected, people living with HIV/AIDS.
4. Identify and manage psychiatric emergencies.
5. Provide nursing care to critically ill patients with mental disorders
6. Utilize the recent technology and various treatment modalities in the management of patients with mental disorders
7. Demonstrate skills in carrying out crisis intervention.
8. Appreciate the legal and ethical issues pertaining to psychiatric nursing.
9. Identify areas of research in the field of psychiatric nursing.
10. Prepare a design for layout and describe standards for management of Psychiatric units/emergency units/hospitals
11. Teach psychiatric nursing to undergraduate students & in-service nurses.

UNIT – 1

2 Hrs.

Principles and practice of Psychiatric nursing: Review.

UNIT – 2

10 Hrs.

Crisis Intervention : Crisis, Definition, Phases In The Development of A Crisis, Types of Crisis; Dispositional Anticipated Life Transitions, Traumatic Stress, Maturation/Development, Reflecting Psychopathology, Psychiatric Emergencies and their management, Grief and grief reaction, Crisis Intervention; Phases. Post-traumatic stress disorder (PTSD) and role of the Nurse.

UNIT - 3 **4 Hrs.**

Anger/ Aggression Management : Anger and Aggression, Types, Predisposing Factors, Management and Role of the Nurse.

UNIT - 4 **5 Hrs.**

The Suicidal Client : Epidemiological Factors, Risk Factors. Predisposing factors, Theories of Suicide-Psychological, Sociological, Biological and Nursing Management.

UNIT - 5 **5 Hrs.**

Disorders of Infancy, Childhood, and Adolescence : Mentally Challenged, Autistic Disorders, Attention-Deficit Hyperactivity Disorder, Conduct Disorders, behavioral disorders, Oppositional Defiant Disorder, Tourette's Disorders, Separation Anxiety Disorder, Psychopharmacological Intervention and Nursing Management.

UNIT - 6 **5 Hrs.**

Delirium, Dementia, and Amnestic Disorders : Delirium, Dementia, Amnesia, Psychopharmacological Intervention and Nursing Management.

UNIT - 7 **10 Hrs.**

Substance-Related Disorders : Substance-Use Disorders, Substance-Induced Disorders, Classes of Psychoactive Substances and predisposing Factors the dynamics of Substance-related disorders, The Impaired Nurse, Codependency, Treatment Modalities for Substance-Related Disorders and Nursing Management.

UNIT - 8 **10 Hrs.**

Schizophrenia and Other Psychotic Disorders (Check ICD10): Nature of the Disorder and predisposing Factors. Schizophrenia –Types: Disorganized Schizophrenia, Catatonic Schizophrenia, Paranoid Schizophrenia, Undifferentiated Schizophrenia and Residual Schizophrenia. Other Psychotic disorders: Schizoaffective Disorder, Brief Psychotic Disorder, Schizophrenic form Disorder, Psychotic Disorder Due to a General Medical Condition and Substance-Induced Psychotic Disorder, Treatment and Nursing Management.

UNIT - 9 **8 Hrs.**

Mood Disorders : Historical Perspective, Epidemiology, The Grief Response, Maladaptive Responses To Loss, Types Of Mood Disorders, Depressive disorders, Bipolar disorders, Treatment and Nursing Management.

UNIT - 10 **8 Hrs.**

Anxiety Disorders: Historical Aspects, Epidemiological Statistics, How much is too much? Types: Panic Disorder, Generalized Anxiety Disorder, Phobias, Obsessive-Compulsive Disorder, Posttraumatic Stress Disorder, Anxiety disorder due to a general Medical condition, substance-induced anxiety disorder, treatment modalities. Psychopharmacology & Nursing Management.

UNIT – 11 **5 Hrs.**

Somatoform and Sleep Disorders: Somatoform Disorders, Historical Aspects, Epidemiological Statistics, Pain Disorder, Hypochondriasis, Conversion Disorder, Body Dysmorphic Disorder, Sleep Disorder, Treatment Modalities and Nursing Management.

UNIT – 12 **4 Hrs.**

Dissociative Disorders and Management: Historical Aspects, Epidemiological Statistics, Application of the Nursing Management Treatment Modalities and Nursing Management.

UNIT – 13 **4 Hrs.**

Development of Human Sexuality, Sexual Disorders, Variation in Sexual Orientation and Nursing Management.

UNIT – 14 **4 Hrs.**

Sexual and Gender Identity Disorders : Eating Disorders: Epidemiological Factors, Predisposing Factors; Anorexia Nervosa and Bulimia Nervosa obesity, Psychopharmacology, Treatment & Nursing Management.

UNIT – 15 **4 Hrs.**

Adjustment and Impulse Control Disorders: Historical and Epidemiological Factors, Adjustment Disorders, Impulse Control Disorders, treatment and nursing management.

UNIT – 16 **4 Hrs.**

Medical Conditions due to Psychological Factors : Asthma, Cancer, Coronary Heart Disease, Peptic Ulcer, Essential Hypertension, Migraine Headache, Rheumatoid Arthritis, Ulcerative Colitis, Treatment & Nursing Management.

UNIT – 17 **8 Hrs.**

Personality Disorders : Historical perspectives, Types of Personality Disorders: Paranoid Personality Disorder, Schizoid Personality Disorder, Antisocial Personality Disorder, Borderline Personality Disorder, Histrionic Personality Disorder, Narcissistic Personality Disorder, Avoidance Personality Disorder, Dependent Personality Disorder, Obsessive-Compulsive Personality Disorder and Passive-Aggressive Personality Disorders. Identification, diagnostic, symptoms, psychopharmacology, treatment & nursing management.

UNIT – 18 **8 Hrs.**

The Aging Individual: Epidemiological Statistics, Biological Theories, Biological Aspects of Aging, Psychological Aspects of Aging, Memory Functioning, Socio-cultural aspects of aging, Sexual aspects of aging, Special Concerns of the Elderly Population, Psychiatric problems among elderly population, Treatment & Nursing Management.

UNIT – 19 **5 Hrs.**

The person living with HIV Disease: Psychological problems of individual HIV/AIDS, Counseling, Treatment & Nursing Management.

UNIT – 20**5 Hrs.**

Problems Related to Abuse or Neglect : Vulnerable groups, Women, Children, elderly, psychiatric patients, under privileged, challenged, Predisposing Factors, Treatment & Nursing management- Counseling.

UNIT – 21**7 Hrs.**

Community Mental Health Nursing: National Mental Health Program- Community mental health program, The Changing Focus of care, The Public Health Model, The Role of the Nurse, Case Management. The community as Client: Primary Prevention, populations at Risk, Secondary prevention, Tertiary Prevention and Community based rehabilitation.

UNIT -22**5 Hrs.**

Ethical and Legal Issues in Psychiatric/Mental Health Nursing: Ethical Considerations, Legal Consideration : Nurse Practice Acts, Types of Law, Classification within Statutory and Common Law, Legal Issues in Psychiatric/Mental Health Nursing and Nursing Liability.

UNIT -23**5 Hrs.**

Psychosocial rehabilitation: Principles of rehabilitation, Disability assessment, Day care centers, half way homes, Reintegration into the community, Training and support to care givers, Sheltered workshops and Correctional homes.

UNIT – 24**5 Hrs.**

Counseling: Liaison psychiatric nursing, Terminal illnesses-Counseling, Postpartum psychosis-treatment, care and counseling, Death dying- Counseling, Treatment, care and counseling – Unwed mothers, HIV and AIDS.

UNIT – 25**5 Hrs.**

Administration and management of psychiatric units including emergency units. :Design & layout, Staffing, Equipment, supplies, Norms, policies and protocols, Quality assurance, Practice standards for psychiatric nursing and Documentation.

UNIT – 26**5 Hrs.**

Education and training in psychiatric care: Staff orientation, training and development, In-service education program and Clinical teaching programs.

TEXT BOOK :

1. Townsend Mary. Psychiatric Health Nursing. 3rd edition. Philadelphia: F.A.Davis; 2005.
2. Stuart Sundeen. Principles & practices of psychiatric Nursing. 7th edition. New Delhi: Harcourt Mosby Inc.; 2001.
3. Sreevani.R. A Guide to Mental health psychiatric nursing. 1st edition. New Delhi: Jaypee; 2004.
4. Kapoor Bimla. Textbook of Psychiatric Nursing. 1st edition. Delhi: Kumar publishers; 1998.

5. Ahuja Niraj. A Short Text Book of Psychiatry. 4th edition. Jaypee: New Delhi; 1999.

REFERENCE BOOKS:

1. Prisch Noreen. Psychiatric Mental Health Nursing. 2nd edition. Australia: Thomson Delmer; 2002.
2. Fontaine. K.L. Mental Health Nursing. 1st edition. New York: Addison Wisley ; 1999.
3. Vyas. J .N. Text book of Post Graduate Psychiatry. 2nd edition. New Delhi: Jaypee; 1999.
4. Boyd. Mary Ann. Psychiatric Nursing. 2nd edition. Philadelphia: Lippincott; 2002

PRACTICAL

Total = 960 hours

1 Week = 30 hours

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Acute Psychiatric Ward	4	120 Hours
2	Chronic Psychiatric Ward	4	120 Hours
3	De-addiction Unit	4	120 Hours
4	Psychiatric Emergency Unit	4	120 Hours
5	O.P.D (Neuro and psychiatric)	3	90 Hours
6	Child Psychiatric Unit and child guidance clinic	2	60 Hours
7	Post-natal ward	1	30 Hours
8	Family Psychiatric Unit	2	60 Hours
9	Field visits	2	60 Hours
10	Rehabilitation	2	60 Hours
11	Community Mental Health Unit	4	120 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN206
TITLE OF THE COURSE : **COMMUNITY HEALTH NURSING**
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of community health nursing.
2. Help students to develop advanced skills for nursing intervention in various aspects of community health care settings.
3. Enable the student to function as community health Nurse practitioner/specialist, educator, manager and researcher in the field of community health nursing

COURSE OUTCOMES:

1. Appreciate trends and issues related to community health Nursing reproductive and child health, school health, Occupational health, international health, rehabilitation, geriatric and mental health.
2. Apply epidemiological concepts and principles in community health nursing practice
3. Perform community health assessment and plan health programmes
4. Describe the various components of Reproductive and child health Programme.
5. Demonstrate leadership abilities in organizing community health nursing services by using inter-sectoral approach.
6. Describe the role and responsibilities of community health nurse in various national health and family welfare programmes
7. Participate in the implementation of various national health and family welfare Programme
8. Demonstrate competencies in providing family centered nursing care independently
9. Participate/Conduct research for new insights and innovative solutions to health problems
10. Teach and supervise nurses and allied health workers.
11. Design a layout of sub center/Primary health center/Community health center and develop standards for community health nursing practice.

UNIT – 1**20 Hrs.**

Epidemiology : Introduction, Concept, scope, definition, trends, History and development of modern Epidemiology, Contribution of epidemiology, Implications, Epidemiological methods, Measurement of health and disease: Health policies, Epidemiological approaches, Study of disease causatives, Health promotion, Levels of prevention, Epidemiology of Communicable diseases, Non-communicable diseases, Emerging and re- emerging diseases Epidemics, National Integrated disease Surveillance Programme, Health information system, Epidemiology study and reports, Role of Community health nurse

UNIT – 2**40 Hrs.**

National Health and Family Welfare Programmes : Objectives, Organization /manpower/ resources, Activities, Goals, inter-sectoral approach, implementation, item/purpose, role and responsibilities of community health nurse: National Vector Borne Disease Control Programme (NVBDCP), National Filaria Control Programme, National Leprosy Eradication Programme, Revised national TB Control Programme, National Programme for Control of Blindness, National Iodine Deficiency disorders Control Programme, National Mental Health Programme, National AIDS Control Programme, National Cancer Control Programme, RCH I and II, Non- communicable disease programmes and NRHM, Health Schemes: ESI, CGHS and Health insurance.

UNIT – 3**15 Hrs.**

School Health: Introduction : definition, concepts, objectives, Health assessment, Screening, identification, referral and follow up, Safe environment, Services, programmes and plans- first aid, treatment of minor ailments, Inter-sectoral coordination, Adolescent health, Disaster, disaster preparedness, and management, Guidance and counseling, School health records - maintenance and its importance, Roles and responsibilities of community health nurse.

UNIT – 4**15 Hrs.**

International health :Global burden of disease, Global health rules to halt disease spread, Global health priorities and programs, International quarantine, Health tourism, International cooperation & assistance, international travel and trade, health & food legislation, laws and adulteration of food, Disaster management, Migration, International health agencies –World Health organizations, World health assembly, UNICEF, UNFPA, UNESCO, ILO, CARE, SIDA, US AID, DANIDA, DFID. Aus AID etc. International health issues and problems, International nursing practice standards, International health Vis-a Vis national health, International health days and their significance

UNIT – 5**15 Hrs.**

Education and administration : Quality assurance, Standards, Protocols, Policies and Procedures, Infection control; Standard safety measures, Nursing audit and Design of Sub-Centre/Primary Health Centre/Community health center, Staffing; Supervision and monitoring-Performance appraisal, Budgeting and Material management, Role and responsibilities of different categories of personnel in community health, Referral chain-community outreach services, Transportation, Public relations, Planning in-service

educational Programme and teaching, Training of various categories of health workers preparation of manuals.

UNIT - 6

10 Hrs.

Geriatric: Concept, trends, problems and issues. Aging process, and changes, Theories of ageing, Health problems and needs, Psycho-physiological stressors and disorders, Myths and facts of aging, Health assessment, Home for aged-various agencies, Rehabilitation of elderly, Care of elderly, Elderly abuse, Training and supervision of care givers, Government welfare measures, Programmes for elderly- Role of NGOs, Roles and responsibilities of Geriatric nurse in the community.

UNIT - 7

10 Hrs.

Rehabilitation: Introduction: Concepts, principles, trends, issues, Rehabilitation team, Models, Methods Community based rehabilitation, Ethical issues, Rehabilitation Council of India, Disability and rehabilitation- Use of various prosthetic devices, psychosocial rehabilitation, Rehabilitation of chronic diseases, Restorative rehabilitation and Vocational rehabilitation. Role of voluntary organizations, Guidance and counseling, Welfare measures, Role and responsibilities of community health nurse.

UNIT - 8

10 Hrs.

Community mental health: Magnitude, trends and issues, National Mental Health Program- Community mental health program, The Changing Focus of care and The Public Health Model. Case management- Collaborative care, crisis intervention, Welfare agencies and Population at Risk. The community as Client: Primary Prevention, Secondary prevention and Tertiary Prevention. Community based rehabilitation, Human rights of mentally ill, Substance use, mentally challenged groups and role of community health nurse.

UNIT - 9

15 Hrs.

Occupational health: Introduction: Trends, issues, Definition, Aims, Objectives and Workplace safety, Ergonomics and Ergonomic solutions. Occupational environment- Physical, social, Decision making and Critical thinking. Occupational hazards for different categories of people physical, chemical, biological, mechanical and Accidents. Occupational diseases and disorders. Measures for Health promotion of workers; Prevention and control of occupational diseases, disability limitations and rehabilitation. Women and occupational health. Occupational education and counseling. Violence at workplace: Child labour. Disaster preparedness and management. Legal issues: Legislation, Labour unions, ILO and WHO recommendations, Factories act, ESI act. Role of Community health nurse, Occupational health team.

TEXTBOOK:

1. Park. J.E. Textbook of Preventive & Social Medicine. 18th edition. Jabalpur: Banarasidas Bhanot; 2005.
2. Rao Kasturi Sundar. Introduction to Community Health Nursing. 3rd edition. Chennai: B.I. Publication; 2000.

3. Stanhope. Community Health Nursing. 1st edition. Philadelphia: Mosby; 2008.
4. Clement Stone, Susane. Comprehensive Community Health Nursing. 8th edition. New Delhi: B.I. Waverly; 1998.
5. Hatroberta. Introduction to Community based. 2nd edition. Philadelphia: Lippincott; 2001.

REFERENCE BOOKS:

1. Rao Sridhar. Principles of Community Medicine. 3rd edition. New Delhi: A.I.T.B.S; 2002.
2. Gupta. M.C. and Mahajan. Textbook of Preventive and Social Medicine. 3rd edition. New Delhi: Jaypee brothers; 2003.
3. Park. K. Essentials of Community Health Nursing. 3rd edition. Jadel: Banarasidas Bhanot; 2000.

PRACTICAL

Total = 960 hours

1 Week = 30 hours

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Urban and Rural community	17	510 Hours
2	School Health	3	90 Hours
3	International health	2	60 Hours
4	Administration (SC/PHC/CHC)	2	60 Hours
5	Occupational health	2	60 Hours
6	Community Mental Health	2	60 Hours
7	Home for aged and Hospice	2	60 Hours
8	Rehabilitation	2	60 Hours
	Total	32 Weeks	960 Hours

DAYANANDA SAGAR UNIVERSITY
SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT
BENGALURU – 560 111, KARNATAKA.

COLLEGE OF NURSING SCIENCES



**SCHEME & SYLLABUS
FOR
BACHELOR OF SCIENCE (NURSING) - B.SC.(N)
(SEMESTER SCHEME)**

(With effect from 2021-22)

MANDATORY MODULES

The prepared modules/modules outlined by the Council such as Health Assessment & Fundamentals of Prescribing and available modules as National Guidelines (First Aid – NDMA, IMNCI, ENBC, FBNBC), Palliative Care, Safe Delivery App and SBA module will be provided in separate learning resource package.

For BCLS, PLS – Standard national/international modules can be used.

ELECTIVE MODULES

Number of electives to be completed: 3 (Every module = 1 credit = 20 hours)

III & IV Semesters: To complete any **one** elective by end of 4th semester across 1st to 4th semesters

- Human values
- Diabetes care
- Soft skills

V & VI Semesters: To complete any **one** of the following before end of 6th semester

- CBT
- Personality development
- Addiction psychiatry
- Adolescent health
- Sports health
- Accreditation and practice standards
- Developmental psychology
- Menopausal health
- Health Economics

VII & VIII Semesters: To complete any **one** of the following before end of 8th semester

- Scientific writing skills
- Lactation management
- Sexuality & Health
- Stress management
- Job readiness and employability in health care setting

SYLLABUS

COMMUNICATIVE ENGLISH

PLACEMENT: I SEMESTER

THEORY: 2 Credits (40 hours)

DESCRIPTION: The course is designed to enable students to enhance their ability to speak and write the language (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experience.

COMPETENCIES: On completion of the course, the students will be able to

1. Identify the significance of Communicative English for healthcare professionals.

2. Apply the concepts and principles of English Language use in professional development such as pronunciation, vocabulary, grammar, paraphrasing, voice modulation, Spelling, pause and silence.
3. Demonstrate attentive listening in different hypothetical situations.
4. Converse effectively, appropriately and timely within the given context and the individual or team they are communicating with either face to face or by other means.
5. Read, interpret and comprehend content in text, flow sheet, framework, figures, tables, reports, anecdotes etc.
6. Analyse the situation and apply critical thinking strategies.
7. Enhance expressions through writing skills.
8. Apply LSRW (Listening, Speaking, Reading and Writing) Skill in combination to learn, teach, educate and share information, ideas and results.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	3 (T)	Identify the significance of communicative English	Communication • What is communication? • What are communication roles of listeners, speakers, readers and writers as healthcare professionals?	• Definitions with examples, illustrations and explanations • Identifying competencies/ communicative strategies in LSRW • Reading excerpts on the above and interpreting them through tasks	• Checking for understanding through tasks
II	5 (T)	Describe concepts and principles of Language (English) use in professional development such as pronunciation, vocabulary, grammar, paraphrasing, voice modulation, spelling, pause and silence	Introduction to LSRGW • L – Listening: Different types of listening • S – Speaking: Understanding Consonants, Vowels, Word and Sentence Stress, Intonation • R – Reading: Medical vocabulary, • Gr – Grammar: Understanding tenses, linkers • W – Writing simple sentences and short paragraphs – emphasis on correct grammar	• Exercises on listening to news, announcements, telephone conversations and instructions from others • Information on fundamentals of Speech – Consonant, Vowel, Stress and Intonation with tasks based on these through audio/video and texts • Reading a medical dictionary/ glossary of medical terms with matching exercises • Information on tenses and basic concepts of correct grammar through fill in the blanks, true/false questions	• Through _check your understanding_ exercises

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
III	5 (T)	Demonstrate attentive listening in different hypothetical situations	Attentive Listening - Focusing on listening in different situations – announcements, descriptions, narratives, instructions, discussions, demonstrations - Reproducing Verbatim - Listening to academic talks/ lectures - Listening to presentation	- Listening to announcements, news, documentaries with tasks based on listening - With multiple choice, Yes/No and fill in the blank activities	- Checking individually against correct answers - Listening for specific information - Listening for overall meaning and instructions - Listening to attitudes and opinions - Listening to audio, video and identify key points
IV	9 (T)	Converse effectively, appropriately and timely within the given context and the individual or team they are communicating with either face to face or other means	Speaking – Effective Conversation - Conversation situations – informal, formal and neutral - Factors influencing way of speaking – setting, topic, social relationship, attitude and language - Greetings, introductions, requesting, asking for and giving permission, speaking personally and casual conversations - Asking for information, giving instructions and directions - Agreeing and disagreeing, giving opinions - Describing people, places, events and things, narrating, reporting & reaching conclusions - Evaluating and comparing - Complaints and suggestions - Telephone conversations - Delivering presentations	- Different types of speaking activities related to the content - Guided with prompts and free discussions - Presentation techniques - Talking to peers and other adults. - Talking to patients and Patient attenders - Talking to other healthcare professionals - Classroom conversation - Scenario based learning tasks	- Individual and group/peer assessment through live speaking tests - Presentation of situation in emergency and routine - Handoff - Reporting in doctors/nurses' rounds - Case presentation - Face to face oral communication - Speaking individually (Nurse to nurse/patient/ doctor) and to others in the group - Telephonic talking
V	5 (T)	Read, interpret and comprehend content in text, flow sheet, framework, figures, tables, reports, anecdotes	Reading - Reading strategies, reading notes and messages - Reading relevant articles and news items - Vocabulary for everyday activities, abbreviations and medical vocabulary - Understanding visuals, graphs, figures and notes on instructions	- Detailed tasks and exercises on reading for information, inference and evaluation - Vocabulary games and puzzles for medical lexis	- Reading/ summarizing/ justifying answers orally - Patient document - Doctor's prescription of care - Journal/news

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Reading reports and interpreting them - Using idioms and phrases, spotting errors, vocabulary for presentations - Remedial Grammar	Grammar activities	reading and interpretation Notes/Reports
VI	5 (T)	Enhance expressions through writing skills	Writing Skills - Writing patient history - Note taking - Summarising - Anecdotal records - Letter writing - Diary/Journal writing - Report writing - Paper writing skills - Abstract writing	- Writing tasks with focus on task fulfilment, coherence and cohesion, appropriate vocabulary and correct grammar - Guided and free tasks - Different kinds of letter writing tasks	- Paper based assessment by the teacher/ trainer against set band descriptors - Presentation of situation - Documentation - Report writing - Paper writing skills - Verbatim reproducing - Letter writing - Resume/CV
VII	8 (T)	Apply LSRW Skill in combination to learn, teach, educate and share information, ideas and results	LSRW Skills - Critical thinking strategies for listening and reading - Oral reports, presentations - Writing instructions, letters and reports - Error analysis regarding LSRW	- Valuating different options/multiple answers and interpreting decisions through situational activities - Demonstration – individually and in groups - Group Discussion - Presentation - Role Play - Writing reports	Consolidated assessment orally and through written tasks/exercises

APPLIED ANATOMY

PLACEMENT: I SEMESTER

THEORY: 3 Credits (60 hours)

DESCRIPTION: The course is designed to assist student to recall and further acquire the knowledge of the normal structure of human body, identify alteration in anatomical structure with emphasis on clinical application to practice nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Describe anatomical terms.
2. Explain the general and microscopic structure of each system of the body.
3. Identify relative positions of the major body organs as well as their general anatomic locations.
4. Explore the effect of alterations in structure.
5. Apply knowledge of anatomic structures to analyze clinical situations and therapeutic applications.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	8 (T)	Define the terms relative to the anatomical position Describe the anatomical planes Define and describe the terms used to describe movements Organization of human body and structure of cell, tissues membranes and glands Describe the types of cartilage Compare and contrast the features of skeletal, smooth and cardiac muscle	Introduction to anatomical terms and organization of the human body • Introduction to anatomical terms relative to position – anterior, ventral, posterior dorsal, superior, inferior, median, lateral, proximal, distal, superficial, deep, prone, supine, palmar and plantar • Anatomical planes (axial/ transverse/ horizontal, sagittal/vertical plane and coronal/frontal/oblique plane) • Movements (flexion, extension, abduction, adduction, medial rotation, lateral rotation, inversion, eversion, supination, pronation, plantar flexion, dorsal flexion and circumduction) • Cell structure, Cell division • Tissue – definition, types, characteristics, classification, location • Membrane, glands – classification and structure • Identify major surface and bony landmarks in each body region, Organization of human body • Hyaline, fibro cartilage, elastic cartilage • Features of skeletal, smooth and cardiac muscle • Application and implication in nursing	• Lecture cum Discussion • Use of models • Video demonstration • Use of microscopic slides • Lecture cum Discussion • Video/Slides • Anatomical Torso	• Quiz • MCQ • Short answer
II	6 (T)	Describe the structure of respiratory system Identify the muscles of respiration and examine their contribution to the mechanism of breathing	The Respiratory system • Structure of the organs of respiration • Muscles of respiration • Application and implication in nursing	• Lecture cum Discussion • Models • Video/Slides	• Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
III	6 (T)	Describe the structure of digestive system	The Digestive system • Structure of alimentary canal and accessory organs of digestion • Application and implications in nursing	• Lecture cum Discussion • Video/Slides • Anatomical Torso	• Short answer • Objective type
IV	6 (T)	Describe the structure of circulatory and lymphatic system.	The Circulatory and Lymphatic system • Structure of blood components, blood vessels – Arterial and Venous system • Position of heart relative to the associated structures • Chambers of heart, layers of heart • Heart valves, coronary arteries • Nerve and blood supply to heart • Lymphatic tissue • Veins used for IV injections • Application and implication in nursing	• Lecture • Models • Video/Slides	• Short answer • MCQ
V	4 (T)	Identify the major endocrine glands and describe the structure of endocrine Glands	The Endocrine system • Structure of Hypothalamus, Pineal Gland, Pituitary gland, Thyroid, Parathyroid, Thymus, Pancreas and Adrenal glands	• Lecture • Models/charts	• Short answer • Objective type
VI	4 (T)	Describe the structure of various sensory organs	The Sensory organs • Structure of skin, eye, ear, nose and tongue • Application and implications in nursing	• Lecture • Explain with Video/ models/charts	• Short answer • MCQ
VII	10 (T)	Describe anatomical position and structure of bones and joints Identify major bones that make up the axial and appendicular skeleton Classify the joints Identify the application and implications in nursing Describe the structure of muscle	The Musculoskeletal system: The Skeletal system • Anatomical positions • Bones – types, structure, growth and ossification • Axial and appendicular skeleton • Joints – classification, major joints and structure • Application and implications in nursing	• Review – discussion • Lecture • Discussions • Explain using charts, skeleton and loose bones and torso • Identifying muscles involved in nursing procedures in lab	• Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Apply the knowledge in performing nursing procedures/skills	The Muscular system • Types and structure of muscles • Muscle groups – muscles of the head, neck, thorax, abdomen, pelvis, upper limb and lower limbs • Principal muscles – deltoid, biceps, triceps, respiratory, abdominal, pelvic floor, pelvic floor muscles, gluteal muscles and vastus lateralis • Major muscles involved in nursing procedures		
VIII	5 (T)	Describe the structure of renal system	The Renal system • Structure of kidney, ureters, bladder, urethra • Application and implication in nursing	• Lecture • Models/charts	• MCQ • Short answer
IX	5 (T)	Describe the structure of reproductive system	The Reproductive system • Structure of male reproductive organs • Structure of female reproductive organs • Structure of breast	• Lecture • Models/charts	• MCQ • Short answer
X	6 (T)	Describe the structure of nervous system including the distribution of the nerves, nerve plexuses Describe the ventricular system	The Nervous system • Review Structure of neurons • CNS, ANS and PNS (Central, autonomic and peripheral) • Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves, functional areas of cerebral cortex • Ventricular system – formation, circulation, and drainage • Application and implication in nursing	• Lecture • Explain with models • Video slides	• MCQ • Short answer

Note: Few lab hours can be planned for visits, observation and handling
(less than 1 credit lab hours are not specified separately)

APPLIED PHYSIOLOGY

PLACEMENT: I SEMESTER

THEORY: 3 Credits (60 hours)

DESCRIPTION: The course is designed to assist student to acquire comprehensive knowledge of the normal functions of the organ systems of the human body to facilitate understanding of physiological basis of health, identify alteration in functions and provide the student with the necessary physiological knowledge to practice nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Develop understanding of the normal functioning of various organ systems of the body.
2. Identify the relative contribution of each organ system towards maintenance of homeostasis.
3. Describe the effect of alterations in functions.
4. Apply knowledge of physiological basis to analyze clinical situations and therapeutic applications.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	4 (T)	Describe the physiology of cell, tissues, membranes and glands	General Physiology – Basic concepts - Cell physiology including transportation across cell membrane - Body fluid compartments, Distribution of total body fluid, intracellular and extracellular compartments, major electrolytes and maintenance of homeostasis - Cell cycle - Tissue – formation, repair - Membranes and glands – functions - Application and implication in nursing	- Review – discussion - Lecture cum Discussion - Video demonstrations	- Quiz - MCQ - Short answer
II	6 (T)	Describe the physiology and mechanism of respiration Identify the muscles of respiration and examine their contribution to the mechanism of breathing	Respiratory system - Functions of respiratory organs - Physiology of respiration - Pulmonary circulation – functional features - Pulmonary ventilation, exchange of gases - Carriage of oxygen and carbon-dioxide, Exchange of gases in tissue - Regulation of respiration - Hypoxia, cyanosis, dyspnea, periodic breathing - Respiratory changes during exercise - Application and implication in nursing	- Lecture - Video slides	- Essay - Short answer - MCQ
III	8 (T)	Describe the functions of digestive system	Digestive system - Functions of the organs of digestive tract - Saliva – composition, regulation of secretion and functions of saliva - Composition and function of gastric juice, mechanism and regulation of gastric secretion - Composition of pancreatic juice, function, regulation of pancreatic secretion - Functions of liver, gall bladder and pancreas - Composition of bile and function - Secretion and function of small and large intestine - Movements of alimentary tract - Digestion in mouth, stomach, small intestine, large intestine, absorption of food - Application and implications in nursing	- Lecture cum Discussion - Video slides	- Essay - Short answer - MCQ
IV	6 (T)	Explain the functions of the	Circulatory and Lymphatic system Functions of heart, conduction system,	Lecture	Short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		heart, and physiology of circulation	cardiac cycle, Stroke volume and cardiac output • Blood pressure and Pulse • Circulation – principles, factors influencing blood pressure, pulse • Coronary circulation, Pulmonary and systemic circulation • Heart rate – regulation of heart rate • Normal value and variations • Cardiovascular homeostasis in exercise and posture • Application and implication in nursing	• Discussion • Video/Slides	• MCQ
V	5 (T)	Describe the composition and functions of blood	Blood • Blood – Functions, Physical characteristics • Formation of blood cells • Erythropoiesis – Functions of RBC, RBC life cycle • WBC – types, functions • Platelets – Function and production of platelets • Clotting mechanism of blood, clotting time, bleeding time, PTT • Hemostasis – role of vasoconstriction, platelet plug formation in hemostasis, coagulation factors, intrinsic and extrinsic pathways of coagulation • Blood groups and types • Functions of reticuloendothelial system, immunity • Application in nursing	• Lecture • Discussion • Videos	• Essay • Short answer • MCQ
VI	5 (T)	Identify the major endocrine glands and describe their functions	The Endocrine system • Functions and hormones of Pineal Gland, Pituitary gland, Thyroid, Parathyroid, Thymus, Pancreas and Adrenal glands. • Other hormones • Alterations in disease • Application and implication in nursing	• Lecture • Explain using charts	• Short answer • MCQ
VII	4 (T)	Describe the structure of various sensory organs	The Sensory Organs • Functions of skin • Vision, hearing, taste and smell • Errors of refraction, aging changes • Application and implications in nursing	• Lecture • Video	• Short answer • MCQ
VIII	6 (T)	Describe the functions of	Musculoskeletal system	• Lecture	• Structured essay

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		bones, joints, various types of muscles, its special properties and nerves supplying them	- Bones – Functions, movements of bones of axial and appendicular skeleton, Bone healing - Joints and joint movements - Alteration of joint disease - Properties and Functions of skeletal muscles – mechanism of muscle contraction - Structure and properties of cardiac muscles and smooth muscles - Application and implication in nursing	- Discussion - Video presentation	- Short answer - MCQ
IX	4 (T)	Describe the physiology of renal system	Renal system - Functions of kidney in maintaining homeostasis - GFR - Functions of ureters, bladder and urethra - Micturition - Regulation of renal function - Application and implication in nursing	- Lecture - Charts and models	- Short answer - MCQ
X	4 (T)	Describe the structure of reproductive system	The Reproductive system - Female reproductive system – Menstrual cycle, function and hormones of ovary, oogenesis, fertilization, implantation, Functions of breast - Male reproductive system – Spermatogenesis, hormones and its functions, semen - Application and implication in providing nursing care	- Lecture - Explain using charts, models, specimens	- Short answer - MCQ
XI	8 (T)	Describe the functions of brain, physiology of nerve stimulus, reflexes, cranial and spinal nerves	Nervous system - Overview of nervous system - Review of types, structure and functions of neurons - Nerve impulse - Review functions of Brain-Medulla, Pons, Cerebrum, Cerebellum - Sensory and Motor Nervous system - Peripheral Nervous system - Autonomic Nervous system - Limbic system and higher mental Functions- Hippocampus, Thalamus, Hypothalamus - Vestibular apparatus - Functions of cranial nerves - Autonomic functions - Physiology of Pain-somatic, visceral and referred	- Lecture cum Discussion - Video slides	- Brief structured essays - Short answer - MCQ - Critical reflection

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Reflexes • CSF formation, composition, circulation of CSF, blood brain barrier and blood CSF barrier • Application and implication in nursing		

Note: Few lab hours can be planned for visits, observation and handling
(less than 1 credit lab hours are not specified separately)

APPLIED SOCIOLOGY

PLACEMENT: I SEMESTER

THEORY: 3 Credits (60 hours)

DESCRIPTION: This course is designed to enable the students to develop understanding about basic concepts of sociology and its application in personal and community life, health, illness and nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Identify the scope and significance of sociology in nursing.
2. Apply the knowledge of social structure and different culture in a society in identifying social needs of sick clients.
3. Identify the impact of culture on health and illness.
4. Develop understanding about types of family, marriage and its legislation.
5. Identify different types of caste, class, social change and its influence on health and health practices.
6. Develop understanding about social organization and disorganization and social problems in India.
7. Integrate the knowledge of clinical sociology and its uses in crisis intervention.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	1 (T)	Describe the scope and significance of sociology in nursing	Introduction • Definition, nature and scope of sociology • Significance of sociology in nursing	• Lecture • Discussion	• Essay • Short answer
II	15 (T)	Describe the individualization, Groups, processes of Socialization, social change and its importance	Social structure • Basic concept of society, community, association and institution • Individual and society • Personal disorganization • Social group – meaning, characteristics, and classification. • Social processes – definition and forms, Co-operation, competition, conflict, accommodation, assimilation, isolation • Socialization – characteristics, process, agencies of socialization • Social change – nature, process, and role of nurse	• Lecture cum Discussion	• Essay • Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Structure and characteristics of urban, rural and tribal community. • Major health problems in urban, rural and tribal communities • Importance of social structure in nursing profession		
III	8 (T)	Describe culture and its impact on health and disease	Culture • Nature, characteristic and evolution of culture • Diversity and uniformity of culture • Difference between culture and civilization • Culture and socialization • Transcultural society • Culture, Modernization and its impact on health and disease	• Lecture • Panel discussion	• Essay • Short answer
IV	8 (T)	Explain family, marriage and legislation related to marriage	Family and Marriage • Family – characteristics, basic need, types and functions of family • Marriage – forms of marriage, social custom relating to marriage and importance of marriage • Legislation on Indian marriage and family. • Influence of marriage and family on health and health practices	• Lecture	• Essay • Short answer • Case study report
V	8 (T)	Explain different types of caste and classes in society and its influence on health	Social stratification • Introduction – Characteristics & forms of stratification • Function of stratification • Indian caste system – origin and characteristics • Positive and negative impact of caste in society. • Class system and status • Social mobility-meaning and types • Race – concept, criteria of racial classification • Influence of class, caste and race system on health.	• Lecture • Panel discussion	• Essay • Short answer • Objective type
VI	15 (T)	Explain social organization, disorganization, social problems and role of nurse in reducing social problems	Social organization and disorganization • Social organization – meaning, elements and types • Voluntary associations • Social system – definition, types, role and status as structural element of social system. • Interrelationship of institutions • Social control – meaning, aims and process of social control	• Lecture • Group discussion • Observational visit	• Essay • Short answer • Objective type • Visit report

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Social norms, moral and values • Social disorganization – definition, causes, Control and planning • Major social problems – poverty, housing, food supplies, illiteracy, prostitution, dowry, Child labour, child abuse, delinquency, crime, substance abuse, HIV/AIDS, COVID-19 • Vulnerable group – elderly, handicapped, minority and other marginal group. • Fundamental rights of individual, women and children • Role of nurse in reducing social problem and enhance coping • Social welfare programs in India		
VII	5 (T)	Explain clinical sociology and its application in the hospital and community	Clinical sociology • Introduction to clinical sociology • Sociological strategies for developing services for the abused • Use of clinical sociology in crisis intervention	• Lecture, • Group discussion • Role play	• Essay • Short answer

APPLIED PSYCHOLOGY

PLACEMENT: I SEMESTER

THEORY: 3 Credits (60 Hours)

DESCRIPTION: This course is designed to enable the students to develop understanding about basic concepts of psychology and its application in personal and community life, health, illness and nursing. It further provides students opportunity to recognize the significance and application of soft skills and self-empowerment in the practice of nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Identify the importance of psychology in individual and professional life.
2. Develop understanding of the biological and psychological basis of human behaviour.
3. Identify the role of nurse in promoting mental health and dealing with altered personality.
4. Perform the role of nurses applicable to the psychology of different age groups.
5. Identify the cognitive and affective needs of clients.
6. Integrate the principles of motivation and emotion in performing the role of nurse in caring for emotionally sick client.
7. Demonstrate basic understanding of psychological assessment and nurse's role.
8. Apply the knowledge of soft skills in workplace and society.
9. Apply the knowledge of self-empowerment in workplace, society and personal life.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	2 (T)	Describe scope, branches and significance of psychology in nursing	Introduction • Meaning of Psychology • Development of psychology – Scope, branches and methods of psychology • Relationship with other subjects • Significance of psychology in nursing • Applied psychology to solve everyday issues	• Lecture cum Discussion	• Essay • Short answer
II	4 (T)	Describe biology of human behaviour	Biological basis of behavior –Introduction • Body mind relationship • Genetics and behaviour • Inheritance of behaviour • Brain and behaviour. • Psychology and sensation – sensory process – normal and abnormal	• Lecture • Discussion	• Essay • Short answer
III	5 (T)	Describe mentally healthy person and defense mechanisms	Mental health and mental hygiene • Concept of mental health and mental hygiene • Characteristic of mentally healthy person • Warning signs of poor mental health • Promotive and preventive mental health strategies and services • Defense mechanism and its implication • Frustration and conflict – types of conflicts and measurements to overcome • Role of nurse in reducing frustration and conflict and enhancing coping • Dealing with ego	• Lecture • Case discussion • Role play	• Essay • Short answer • Objective type
IV	7 (T)	Describe psychology of people in different age groups and role of nurse	Developmental psychology • Physical, psychosocial and cognitive development across life span – Prenatal through early childhood, middle to late childhood through adolescence, early and mid-adulthood, late adulthood, death and dying • Role of nurse in supporting normal growth and development across the life span • Psychological needs of various groups in health and sickness – Infancy, childhood, adolescence, adulthood and older adult • Introduction to child psychology and role of nurse in meeting the psychological needs of	• Lecture • Group • discussion	• Essay • Short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			children • Psychology of vulnerable individuals – challenged, women, sick etc. • Role of nurse with vulnerable groups		
V	4 (T)	Explain personality and role of nurse in identification and improvement in altered personality	Personality • Meaning, definition of personality • Classification of personality • Measurement and evaluation of personality – Introduction • Alteration in personality • Role of nurse in identification of individual personality and improvement in altered personality	• Lecture • Discussion • Demonstration	• Essay and short answer • Objective type
VI	16 (T)	Explain cognitive process and their applications	Cognitive process • Attention – definition, types, determinants, duration, degree and alteration in attention • Perception – Meaning of Perception, principles, factor affecting perception, • Intelligence – Meaning of intelligence – Effect of heredity and environment in intelligence, classification, Introduction to measurement of intelligence tests – Mental deficiencies • Learning – Definition of learning, types of learning, Factors influencing learning – Learning process, Habit formation • Memory – meaning and nature of memory, factors influencing memory, methods to improve memory, forgetting • Thinking – types, level, reasoning and problem solving. • Aptitude – concept, types, individual differences and variability • Psychometric assessment of cognitive processes – Introduction • Alteration in cognitive processes	• Lecture • Discussion	• Essay and short answer • Objective type
VII	6 (T)	Describe motivation, emotion, attitude and role of nurse in emotionally sick client	Motivation and emotional processes • Motivation – meaning, concept, types, theories of motivation, motivation cycle, biological and special motives • Emotions – Meaning of emotions, development of emotions, alteration of emotion, emotions in sickness – handling emotions in self and other • Stress and adaptation – stress, stressor, cycle, effect, adaptation and coping	• Lecture • Group discussion	• Essay and short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Attitudes – Meaning of attitudes, nature, factor affecting attitude, attitudinal change, Role of attitude in health and sickness • Psychometric assessment of emotions and attitude – Introduction • Role of nurse in caring for emotionally sick client		
VIII	4 (T)	Explain psychological assessment and tests and role of nurse	Psychological assessment and tests – introduction • Types, development, characteristics, principles, uses, interpretation • Role of nurse in psychological assessment	• Lecture • Discussion • Demonstration	• Short answer • Assessment of practice
IX	10 (T)	Explain concept of soft skill and its application in work place and society	Application of soft skill • Concept of soft skill • Types of soft skill – visual, aural and communication skill • The way of communication • Building relationship with client and society • Interpersonal Relationships (IPR): Definition, Types, and Purposes, Interpersonal skills, Barriers, Strategies to overcome barriers • Survival strategies – managing time, coping stress, resilience, work – life balance • Applying soft skill to workplace and society – Presentation skills, social etiquette, telephone etiquette, motivational skills, teamwork etc. • Use of soft skill in nursing	• Lecture • Group discussion • Role play • Refer/Complete Soft skills module	• Essay and short answer
X	2 (T)	Explain self-empowerment	Self-empowerment • Dimensions of self-empowerment • Self-empowerment development • Importance of women's empowerment in society • Professional etiquette and personal grooming • Role of nurse in empowering others	• Lecture • Discussion	• Short answer • Objective type

NURSING FOUNDATION - I (including First Aid module)

PLACEMENT: I SEMESTER

THEORY: 6 Credits (120 hours)

PRACTICUM: Skill Lab: 2 Credits (80 hours) and Clinical: 2 Credits (160 hours)

DESCRIPTION: This course is designed to help novice nursing students develop knowledge and competencies required to provide evidence-based, comprehensive basic nursing care for adult patients, using nursing process approach.

COMPETENCIES: On completion of the course, the students will be able to

1. Develop understanding about the concept of health, illness and scope of nursing within health care services.
2. Apply values, code of ethics and professional conduct in professional life.
3. Apply the principles and methods of effective communication in establishing communication links with patients, families and other health team members.
4. Develop skill in recording and reporting.
5. Demonstrate competency in monitoring and documenting vital signs.
6. Describe the fundamental principles and techniques of infection control and biomedical waste management.
7. Identify and meet the comfort needs of the patients.
8. Perform admission, transfer, and discharge of a patient under supervision applying the knowledge.
9. Demonstrate understanding and application of knowledge in caring for patients with restricted mobility.
10. Perform first aid measures during emergencies.
11. Identify the educational needs of patients and demonstrate basic skills of patient education.

***Mandatory Module used in Teaching/Learning:**

First Aid: 40 Hours (including Basic CPR)

COURSE OUTLINE

T – Theory, SL – Skill Lab

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	5 (T)	Describe the concept of health and illness	Introduction to health and illness • Concept of Health – Definitions (WHO), Dimensions • Maslow's hierarchy of needs • Health – Illness continuum • Factors influencing health • Causes and risk factors for developing illnesses • Illness – Types, illness behavior • Impact of illness on patient and family	• Lecture • Discussion	• Essay • Short answer • Objective type

II	5 (T)	Describe the levels of illness prevention and care, health care services	Health Care Delivery Systems – <i>Introduction of Basic Concepts & Meanings</i> • Levels of Illness Prevention – Primary (Health Promotion), Secondary and Tertiary • Levels of Care – Primary, Secondary and Tertiary • Types of health care agencies/ services – Hospitals, clinics, Hospice, rehabilitation centres, extended care facilities • Hospitals – Types, Organization and	• Lecture • Discussion	• Essay • Short answer • Objective type
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Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			Functions Health care teams in hospitals – members and their role		
III	12 (T)	Trace the history of Nursing Explain the concept, nature and scope of nursing Describe values, code of ethics and professional conduct for nurses in India	History of Nursing and Nursing as a profession - History of Nursing, History of Nursing in India - Contributions of Florence Nightingale - Nursing – Definition – Nurse, Nursing, Concepts, philosophy, objectives, Characteristics, nature and Scope of Nursing/ Nursing practice, Functions of nurse, Qualities of a nurse, Categories of nursing personnel - Nursing as a profession – definition and characteristics/criteria of profession - Values – Introduction – meaning and importance - Code of ethics and professional conduct for nurses – Introduction	- Lecture - Discussion - Case discussion - Role plays	- Essay - Short answers - Objective type
IV	8 (T) 3 (SL)	Describe the process, principles, and types of communication Explain therapeutic, non-therapeutic and professional communication Communicate effectively with patients, their families and team members	Communication and Nurse Patient Relationship - Communication – Levels, Elements and Process, Types, Modes, Factors influencing communication - Methods of effective communication/therapeutic communication techniques - Barriers to effective communication/non-therapeutic communication techniques - Professional communication - Helping Relationships (Nurse Patient Relationship) – Purposes and Phases - Communicating effectively with patient, families and team members - Maintaining effective human relations and communication with vulnerable groups (children, women, physically and mentally challenged and elderly)	- Lecture - Discussion - Role play and video film on Therapeutic Communication	- Essay - Short answer - Objective type
V	4 (T) 2 (SL)	Describe the purposes, types and techniques of recording and reporting Maintain records and reports accurately	Documentation and Reporting - Documentation – Purposes of Reports and Records - Confidentiality - Types of Client records/Common Record-keeping forms - Methods/Systems of documentation/Recording	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Guidelines for documentation - Do's and Don'ts of documentation/Legal guidelines for Documentation/Recording - Reporting – Change of shift reports, Transfer reports, Incident reports		
VI	15 (T) 20 (SL)	Describe principles and techniques of monitoring and maintaining vital signs Assess and record vital signs accurately	Vital signs - Guidelines for taking vital signs Body temperature – - Definition, Physiology, Regulation, Factors affecting body temperature - Assessment of body temperature – sites, equipment and technique - Temperature alterations – Hyperthermia, Heat Cramps, Heat Exhaustion, Heatstroke, Hypothermia - Fever/Pyrexia – Definition, Causes, Stages, Types - Nursing Management - Hot and Cold applications Pulse: - Definition, Physiology and Regulation, Characteristics, Factors affecting pulse - Assessment of pulse – sites, equipment and technique - Alterations in pulse Respiration: - Definition, Physiology and Regulation, Mechanics of breathing, Characteristics, Factors affecting respiration - Assessment of respirations – technique - Arterial Oxygen saturation - Alterations in respiration Blood pressure: - Definition, Physiology and Regulation, Characteristics, Factors affecting BP - Assessment of BP – sites, equipment and technique, Common Errors in BP Assessment - Alterations in Blood Pressure - Documenting Vital Signs	- Lecture - Discussion - Demonstration & Re-demonstration	- Essay - Short answer - Objective type - Document the given values of temperature, pulse, and respiration in the graphic sheet - OSCE
VII	3 (T)	Maintain equipment and linen	Equipment and Linen - Types – Disposables and reusable - Linen, rubber goods, glassware, metal, plastics, furniture - Introduction – Indent, maintenance, Inventory		

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
VIII	10 (T) 3 (SL)	Describe the basic principles and techniques of infection control and biomedical waste management	Introduction to Infection Control in Clinical setting Infection • Nature of infection • Chain of infection • Types of infection • Stages of infection • Factors increasing susceptibility to infection • Body defenses against infection – Inflammatory response & Immune response • Health care associated infection (Nosocomial infection) Introductory concept of Asepsis – Medical& Surgicalasepsis Precautions • Hand Hygiene • (Hand washing and use of hand Rub) • Use of Personal Protective Equipment (PPE) • Standard precautions Biomedical Waste management • Types of hospital waste, waste segregation and hazards – Introduction	• Lecture • Discussion • Demonstration • Observation of autoclaving and other sterilization techniques • Video presentation on medical & surgical asepsis	• Essay • Short answer • Objective type
IX	15 (T) 15 (SL)	Identify and meet the comfort needs of the patients	Comfort, Rest & Sleep and Pain • Comfort ○ Factors Influencing Comfort ○ Types of beds including latest beds, purposes & bed making ○ Therapeutic positions ○ Comfort devices • Sleep and Rest ○ Physiology of sleep ○ Factors affecting sleep ○ Promoting Rest and sleep ○ Sleep Disorders • Pain (Discomfort) ○ Physiology ○ Common cause of pain ○ Types ○ Assessment – pain scales and narcotic scales	• Lecture • Discussion • Demonstration & Re-demonstration	• Essay • Short answer • Objective type • OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			○ Pharmacological and Non-pharmacological pain relieving measures – Use of narcotics, TENS devices, PCA ○ Invasive techniques of pain management ○ Any other newer measures ○ CAM (Complementary & Alternative healing Modalities)		
X	5 (T) 3 (SL)	Describe the concept of patient environment	Promoting Safety in Health Care Environment • Physical environment – Temperature, Humidity, Noise, Ventilation, Light, Odor, Pest control • Reduction of Physical hazards – fire, accidents • Fall Risk Assessment • Role of nurse in providing safe and clean environment • Safety devices – ○ Restraints – Types, Purposes, Indications, Legal Implications and Consent, Application of Restraints-Skill and Practice guidelines ○ Other Safety Devices – Side rails, Grab bars, Ambu alarms, non-skid slippers etc.	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type
XI	6 (T) 2 (SL)	Explain and perform admission, transfer, and discharge of a patient	Hospital Admission and discharge • Admission to the hospital Unit and preparation of unit ○ Admission bed ○ Admission procedure ○ Medico-legal issues ○ Roles and Responsibilities of the nurse • Discharge from the hospital ○ Types – Planned discharge, LAMA and Abscond, Referrals and transfers ○ Discharge Planning ○ Discharge procedure ○ Medico-legal issues ○ Roles and Responsibilities of the nurse ○ Care of the unit after discharge	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type
XII	8 (T) 10 (SL)	Demonstrate skill in caring for patients with restricted mobility	Mobility and Immobility • Elements of Normal Movement, Alignment & Posture, Joint Mobility, Balance, Coordinated Movement	• Lecture • Discussion • Demonstration &	• Essay • Short answer • Objective

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Principles of body mechanics - Factors affecting Body Alignment and activity - Exercise – Types and benefits - Effects of Immobility - Maintenance of normal Body Alignment and Activity - Alteration in Body Alignment and mobility - Nursing interventions for impaired Body Alignment and Mobility – assessment, types, devices used, method - Range of motion exercises - Muscle strengthening exercises - Maintaining body alignment – positions - Moving - Lifting - Transferring - Walking - Assisting clients with ambulation - Care of patients with Immobility using Nursing process approach - Care of patients with casts and splints	Re-demonstration	type OSCE
XIII	4 (T) 2 (SL)	Describe the principles and practice of patient education	Patient education - Patient Teaching – Importance, Purposes, Process - Integrating nursing process in patient teaching	- Discussion - Role plays	- Essay - Short answer - Objective type
XIV	20 (T) 20 (SL)	Explain and apply principles of First Aid during emergencies	First Aid* - Definition, Basic Principles, Scope & Rules - First Aid Management - Wounds, Hemorrhage & Shock - Musculoskeletal Injuries – Fractures, Dislocation, Muscle injuries - Transportation of Injured persons - Respiratory Emergencies & Basic CPR - Unconsciousness - Foreign Bodies – Skin, Eye, Ear, Nose, Throat & Stomach - Burns & Scalds - Poisoning, Bites & Stings - Frostbite & Effects of Heat - Community Emergencies	- Lecture - Discussion - Demonstration & Re-demonstration - Module completion - National Disaster Management Authority (NDMA) / Indian Red Cross Society (IRCS) First Aid module	- Essay - Short answer - Objective type - OSCE

*Mandatory module

CLINICAL PRACTICUM

Clinical Practicum: 2 Credits (160 hours), 10 weeks × 16 hours per week

PRACTICE COMPETENCIES: On completion of the clinical practicum, the students will be able to

1. Maintain effective human relations (projecting professional image)
2. Communicate effectively with patient, families and team members
3. Demonstrate skills in techniques of recording and reporting
4. Demonstrate skill in monitoring vital signs
5. Care for patients with altered vital signs
6. Demonstrate skill in implementing standard precautions and use of PPE
7. Demonstrate skill in meeting the comfort needs of the patients
8. Provide safe and clean environment
9. Demonstrate skill in admission, transfer, and discharge of a patient
10. Demonstrate skill in caring for patients with restricted mobility
11. Plan and provide appropriate health teaching following the principles
12. Acquire skills in assessing and performing First Aid during emergencies.

SKILL LAB

Use of Mannequins and Simulators

S.No.	Competencies	Mode of Teaching
1.	Therapeutic Communication and Documentation	Role Play
2.	Vital signs	Simulator/Standardized patient
3.	Medical and Surgical Asepsis	Videos/Mannequin
4.	Pain Assessment	Standardized patient
5.	Comfort Devices	Mannequin
6.	Therapeutic Positions	Mannequin
7.	Physical Restraints and Side rails	Mannequin
8.	ROM Exercises	Standardized patient
9.	Ambulation	Standardized patient
10.	Moving and Turning patients in bed	Mannequin
11.	Changing position of helpless patients	Mannequin/Standardized patient
12.	Transferring patients bed to stretcher/wheel chair	Mannequin/Standardized patient
13.	Admission, Transfer, Discharge & Health Teaching	Role Play

CLINICAL POSTINGS – General Medical/Surgical Wards

10 weeks × 16 hours/week = 160 Hours

Clinical Unit	Duration (in Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
General Medical/ Surgical wards	2	Maintain effective human relations (projecting professional image) Communicate effectively with patient, families and team members Demonstrate skills in techniques of recording and reporting	Communication and Nurse patient relationship • Maintaining Communication with patient and family and interpersonal relationship • Documentation and Reporting ○ Documenting patient care and procedures ○ Verbal report ○ Written report		• OSCE
	2	Demonstrate skill in monitoring vital signs Care for patients with altered vital signs Demonstrate skill in implementing standard precautions and use of PPE	<i>Vital signs</i> • Monitor/measure and document vital signs in a graphic sheet ○ Temperature (oral, tympanic, axillary) ○ Pulse (Apical and peripheral pulses) ○ Respiration ○ Blood pressure ○ Pulse oximetry • Interpret and report alteration • Cold Applications – Cold Compress, Ice cap, Tepid Sponging • Care of equipment – thermometer, BP apparatus, Stethoscope, Pulse oximeter <i>Infection control in Clinical settings</i> • Hand hygiene • Use of PPE	• Care of patients with alterations in vital signs- 1	• Assessment of clinical skills using checklist • OSCE
	3	Demonstrate skill in meeting the comfort needs of the patients	Comfort, Rest & Sleep, Pain and Promoting Safety in Health Care Environment <i>Comfort, Rest & Sleep</i> • Bed making- ○ Open ○ Closed ○ Occupied ○ Post-operative		• Assessment of clinical skills using checklist • OSCE

Clinical Unit	Duration (in Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
		Provide safe and clean environment	○ Cardiac bed ○ Fracture bed ● Comfort devices ○ Pillows ○ Over bed table/cardiac table ○ Back rest ○ Bed Cradle ● Therapeutic Positions ○ Supine ○ Fowlers (low, semi, high) ○ Lateral ○ Prone ○ Sim's ○ Trendelenburg ○ Dorsal recumbent ○ Lithotomy ○ Knee chest <i>Pain</i> ● Pain assessment and provision for comfort <i>Promoting Safety in Health Care Environment</i> ● Care of Patient's Unit ● Use of Safety devices: ○ Side Rails ● Restraints (Physical) ● Fall risk assessment and Post Fall Assessment	● Fall risk assessment-1	
	2	Demonstrate skill in admission, transfer, and discharge of a patient	Hospital Admission and discharge, Mobility and Immobility and Patient education <i>Hospital Admission and discharge</i> Perform & Document: ● Admission ● Transfer ● Planned Discharge		● Assessment of clinical skills using checklist ● OSCE

		Demonstrate skill in caring for patients with restricted mobility	<i>Mobility and Immobility</i> • Range of Motion Exercises • Assist patient in: ◦ Moving	• Individual teaching-1	• Assessment of clinical skills using checklist • OSCE
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Clinical Unit	Duration (in Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
		Plan and provide appropriate health teaching following the principles	○ Turning ○ Logrolling ● Changing position of helpless patient ● Transferring (Bed to and from chair/wheelchair/ stretcher) <i>Patient education</i>		
	1	Demonstrate skills in assessing and performing First Aid during emergencies	First aid and Emergencies ● Bandaging Techniques ○ Basic Bandages: ▪ Circular ▪ Spiral ▪ Reverse-Spiral ▪ Recurrent ▪ Figure of Eight ○ Special Bandages: ▪ Caplin ▪ Eye/Ear Bandage ▪ Jaw Bandage ▪ Shoulder Spica ▪ Thumb spica ▪ Triangular Bandage/ Sling (Head & limbs) ▪ Binders	● Module completion National Disaster Management Authority (NDMA) First Aid module (To complete it in clinicals if not completed during lab)	● Assessment of clinical skills using checklist ● OSCE (first aid competencies)

APPLIED BIOCHEMISTRY

PLACEMENT: II SEMESTER

THEORY: 2 credits (40 hours) (includes lab hours also)

DESCRIPTION: The course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body, its alterations in disease conditions and to apply this knowledge in the practice of nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Describe the metabolism of carbohydrates and its alterations.
2. Explain the metabolism of lipids and its alterations.
3. Explain the metabolism of proteins and amino acids and its alterations.
4. Explain clinical enzymology in various disease conditions.
5. Explain acid base balance, imbalance and its clinical significance.
6. Describe the metabolism of hemoglobin and its clinical significance.
7. Explain different function tests and interpret the findings.
8. Illustrate the immunochemistry.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	8 (T)	Describe the metabolism of carbohydrates and its alterations	Carbohydrates • Digestion, absorption and metabolism of carbohydrates and related disorders • Regulation of blood glucose • Diabetes Mellitus – type 1 and type 2, symptoms, complications & management in brief • Investigations of Diabetes Mellitus ○ OGTT – Indications, Procedure, Interpretation and types of GTT curve ○ Mini GTT, extended GTT, GCT, IV GTT ○ HbA1c (Only definition) • Hypoglycemia – Definition & causes	• Lecture cum Discussion • Explain using charts and slides • Demonstration of laboratory tests	• Essay • Short answer • Very short answer
II	8 (T)	Explain the metabolism of lipids and its alterations	Lipids • Fatty acids – Definition, classification • Definition & Clinical significance of MUFA & PUFA, Essential fatty acids, Trans fatty acids • Digestion, absorption & metabolism of lipids & related disorders • Compounds formed from cholesterol • Ketone bodies (name, types & significance only) • Lipoproteins – types & functions (metabolism not required) • Lipid profile • Atherosclerosis (in brief)	• Lecture cum Discussion • Explain using charts and slides • Demonstration of laboratory tests	• Essay • Short answer • Very short answer
III	9 (T)	Explain the metabolism of amino acids and proteins Identify alterations in disease conditions	Proteins • Classification of amino acids based on nutrition, metabolic rate with examples • Digestion, absorption & metabolism of protein & related disorders • Biologically important compounds synthesized from various amino acids (only names) • In born errors of amino acid metabolism – only aromatic amino acids (in brief) • Plasma protein – types, function & normal values • Causes of proteinuria, hypoproteinemia, hyper-gamma globulinemia • Principle of electrophoresis, normal & abnormal electrophoretic patterns (in	• Lecture cum Discussion • Explain using charts, models and slides	• Essay • Short answer • Very short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			brief)		
IV	4 (T)	Explain clinical enzymology in various disease conditions	Clinical Enzymology • Isoenzymes – Definition & properties • Enzymes of diagnostic importance in ○ Liver Diseases – ALT, AST, ALP, GGT ○ Myocardial infarction – CK, cardiac troponins, AST, LDH ○ Muscle diseases – CK, Aldolase ○ Bone diseases – ALP ○ Prostate cancer – PSA, ACP	• Lecture cum Discussion • Explain using charts and slides	• Essay • Short answer • Very short answer
V	3 (T)	Explain acid base balance, imbalance and its clinical significance	Acid base maintenance • pH – definition, normal value • Regulation of blood pH – blood buffer, respiratory & renal • ABG – normal values • Acid base disorders – types, definition & causes	• Lecture cum Discussion • Explain using charts and slides	• Short answer • Very short answer
VI	2 (T)	Describe the metabolism of hemoglobin and its clinical significance	Heme catabolism • Heme degradation pathway • Jaundice – type, causes, urine & blood investigations (van den berg test)	• Lecture cum Discussion • Explain using charts and slides	• Short answer • Very short answer
VII	3 (T)	Explain different function tests and interpret the findings	Organ function tests (biochemical parameters & normal values only) • Renal • Liver • Thyroid	• Lecture cum Discussion • Visit to Lab • Explain using charts and slides	• Short answer • Very short answer
VIII	3 (T)	Illustrate the immunochemistry	Immunochemistry • Structure & functions of immunoglobulin • Investigations & interpretation – ELISA	• Lecture cum Discussion • Explain using charts and slides • Demonstration of laboratory tests	• Short answer • Very short answer

Note: Few lab hours can be planned for observation and visits (Less than 1 credit, lab hours are not specified separately).

APPLIED NUTRITION AND DIETETICS

PLACEMENT: II SEMESTER

THEORY: 3 credits (60 hours)

Theory : 45 hours

Lab : 15 hours

DESCRIPTION: The course is designed to assist the students to acquire basic knowledge and understanding of the principles of Nutrition and Dietetics and apply this knowledge in the practice of Nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Identify the importance of nutrition in health and wellness.
2. Apply nutrient and dietary modifications in caring patients.
3. Explain the principles and practices of Nutrition and Dietetics.
4. Identify nutritional needs of different age groups and plan a balanced diet for them.
5. Identify the dietary principles for different diseases.
6. Plan therapeutic diet for patients suffering from various disease conditions.
7. Prepare meals using different methods and cookery rules.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	2 (T)	Define nutrition and its relationship to Health	Introduction to Nutrition Concepts • Definition of Nutrition & Health • Malnutrition – Under Nutrition & Over Nutrition • Role of Nutrition in maintaining health • Factors affecting food and nutrition Nutrients • Classification • Macro & Micronutrients • Organic & Inorganic • Energy Yielding & Non-Energy Yielding Food • Classification – Food groups • Origin	• Lecture cum Discussion • Charts/Slides	• Essay • Short answer • Very short answer
II	3 (T)	Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates Explain BMR and factors affecting BMR	Carbohydrates • Composition – Starches, sugar and cellulose • Recommended Daily Allowance (RDA) • Dietary sources • Functions Energy • Unit of energy – Kcal • Basal Metabolic Rate (BMR) • Factors affecting BMR	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Essay • Short answer • Very short answer

III	3 (T)	Describe the classification, Functions, sources	Proteins • Composition	• Lecture cum Discussion • Charts/Slides	• Essay • Short answer • Very short
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Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		and RDA of proteins.	• Eight essential amino acids • Functions • Dietary sources • Protein requirements – RDA	• Models • Display of food items	answer
IV	2 (T)	Describe the classification, Functions, sources and RDA of fats	Fats • Classification – Saturated & unsaturated • Calorie value • Functions • Dietary sources of fats and fatty acids • Fat requirements – RDA	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Essay • Short answer • Very short answer
V	3 (T)	Describe the classification, functions, sources and RDA of vitamins	Vitamins • Classification – fat soluble & water soluble • Fat soluble – Vitamins A, D, E, and K • Water soluble – Thiamine (vitamin B1), Riboflavin (vitamin B2), Nicotinic acid, Pyridoxine (vitamin B6), Pantothenic acid, Folic acid, Vitamin B12, Ascorbic acid (vitamin C) • Functions, Dietary Sources & Requirements – RDA of every vitamin	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Essay • Short answer • Very short answer
VI	3 (T)	Describe the classification, functions, sources and RDA of minerals	Minerals • Classification – Major minerals (Calcium, phosphorus, sodium, potassium and magnesium) and Trace elements • Functions • Dietary Sources • Requirements – RDA	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Short answer • Very short answer
VII	7 (T) 8 (L)	Describe and plan balanced diet for different age groups, pregnancy, and lactation	Balanced diet • Definition, principles, steps • Food guides – Basic Four Food Groups • RDA – Definition, limitations, uses • Food Exchange System • Calculation of nutritive value of foods • Dietary fibre Nutrition across life cycle • Meal planning/Menu planning – Definition, principles, steps • Infant and Young Child Feeding (IYCF) guidelines – breast feeding, infant foods • Diet plan for different age groups –	• Lecture cum Discussion • Meal planning • Lab session on ○ Preparation of balanced diet for different categories ○ Low cost nutritious dishes	• Short answer • Very short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			Children, adolescents and elderly • Diet in pregnancy – nutritional requirements and balanced diet plan • Anemia in pregnancy – diagnosis, diet for anemic pregnant women, iron & folic acid supplementation and counseling • Nutrition in lactation – nutritional requirements, diet for lactating mothers, complementary feeding/ weaning		
VIII	6 (T)	Classify and describe the common nutritional deficiency disorders and identify nurses' role in assessment, management and prevention	Nutritional deficiency disorders • Protein energy malnutrition – magnitude of the problem, causes, classification, signs & symptoms, Severe acute malnutrition (SAM), management & prevention and nurses' role • Childhood obesity – signs & symptoms, assessment, management & prevention and nurses' role • Vitamin deficiency disorders – vitamin A, B, C & D deficiency disorders –causes, signs & symptoms, management & prevention and nurses' role • Mineral deficiency diseases – iron, iodine and calcium deficiencies –causes, signs & symptoms, management & prevention and nurses' role	• Lecture cum Discussion • Charts/Slides • Models	• Essay • Short answer • Very short answer
IX	4 (T) 7 (L)	Principles of diets in various diseases	Therapeutic diets • Definition, Objectives, Principles • Modifications – Consistency, Nutrients, • Feeding techniques. • Diet in Diseases – Obesity, Diabetes Mellitus, CVD, Underweight, Renal diseases, Hepatic disorders Constipation, Diarrhea, Pre and Post-operative period	• Lecture cum Discussion • Meal planning • Lab session on preparation of therapeutic diets	• Essay • Short answer • Very short answer
X	3 (T)	Describe the rules and preservation of nutrients	Cookery rules and preservation of nutrients • Cooking – Methods, Advantages and Disadvantages • Preservation of nutrients • Measures to prevent loss of nutrients during preparation • Safe food handling and Storage of foods • Food preservation • Food additives and food adulteration • Prevention of Food Adulteration Act (PFA) • Food standards	• Lecture cum Discussion • Charts/Slides	• Essay • Short answer • Very short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
XI	4 (T)	Explain the methods of nutritional assessment and nutrition education	Nutrition assessment and nutrition education - Objectives of nutritional assessment - Methods of assessment – clinical examination, anthropometry, laboratory & biochemical assessment, assessment of dietary intake including Food frequency questionnaire (FFQ) method - Nutrition education – purposes, principles and methods	- Lecture cum Discussion - Demonstration - Writing nutritional assessment report	- Essay - Short answer - Evaluation of Nutritional assessment report
XII	3 (T)	Describe nutritional problems in India and nutritional programs	National Nutritional Programs and role of nurse - Nutritional problems in India - National nutritional policy <i>National nutritional programs</i> – Vitamin A Supplementation, Anemia Mukh Bharat Program, Integrated Child Development Services (ICDS), Mid-day Meal Scheme (MDMS), National Iodine Deficiency Disorders Control Program (NIDDCP), Weekly Iron Folic Acid Supplementation (WIFS) and others as introduced - Role of nurse in every program	Lecture cum Discussion	- Essay - Short answer - Very short answer
XIII	2 (T)	Discuss the importance of food hygiene and food safety Explain the Acts related to food safety	Food safety - Definition, Food safety considerations & measures - Food safety regulatory measures in India – Relevant Acts - Five keys to safer food - Food storage, food handling and cooking - General principles of food storage of food items (ex. milk, meat) - Role of food handlers in food borne diseases - Essential steps in safe cooking practices	Guided reading on related acts	- Quiz - Short answer

Food born diseases and food poisoning are dealt in Community Health Nursing I.

NURSING FOUNDATION - II (including Health Assessment Module)

PLACEMENT: II SEMESTER

THEORY: 6 Credits (120 hours)

PRACTICUM: Skill Lab: 3 Credits (120 hours), Clinical: 4 Credits (320 hours)

DESCRIPTION: This course is designed to help novice nursing students develop knowledge and competencies required to provide evidence-based, comprehensive basic nursing care for adult patients, using nursing process approach.

COMPETENCIES: On completion of the course, the students will be able to

1. Develop understanding about fundamentals of health assessment and perform health assessment in supervised clinical settings
2. Demonstrate fundamental skills of assessment, planning, implementation and evaluation of nursing care using Nursing process approach in supervised clinical settings
3. Assess the Nutritional needs of patients and provide relevant care under supervision
4. Identify and meet the hygienic needs of patients
5. Identify and meet the elimination needs of patient
6. Interpret findings of specimen testing applying the knowledge of normal values
7. Promote oxygenation based on identified oxygenation needs of patients under supervision
8. Review the concept of fluid, electrolyte balance integrating the knowledge of applied physiology
9. Apply the knowledge of the principles, routes, effects of administration of medications in administering medication
10. Calculate conversions of drugs and dosages within and between systems of measurements
11. Demonstrate knowledge and understanding in caring for patients with altered functioning of sense organs and unconsciousness
12. Explain loss, death and grief
13. Describe sexual development and sexuality
14. Identify stressors and stress adaptation modes
15. Integrate the knowledge of culture and cultural differences in meeting the spiritual needs
16. Explain the introductory concepts relevant to models of health and illness in patient care

***Mandatory Module used in Teaching/Learning:**

Health Assessment Module: 40 hours

COURSE OUTLINE

T – Theory, SL – Skill Lab

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	20 (T) 20 (SL)	Describe the purpose and process of health assessment and perform assessment under supervised clinical practice	Health Assessment • Interview techniques • Observation techniques • Purposes of health assessment • Process of Health assessment ○ Health history ○ Physical examination: ▪ Methods: Inspection, Palpation, Percussion, Auscultation, Olfaction ▪ Preparation for examination: patient and unit ▪ General assessment ▪ Assessment of each body system ▪ Documenting health assessment findings	• Modular Learning *Health Assessment Module • Lecture cum Discussion • Demonstration	• Essay • Short answer • Objective type • OSCE
II	13 (T) 8 (SL)	Describe assessment, planning, implementation and evaluation of nursing care using Nursing process	The Nursing Process • Critical Thinking Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing • Nursing Process Overview	• Lecture • Discussion • Demonstration • Supervised Clinical Practice	• Essay • Short answer • Objective type • Evaluation of care plan

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		approach	○ Assessment ▪ Collection of Data: Types, Sources, Methods ▪ Organizing Data ▪ Validating Data ▪ Documenting Data ○ Nursing Diagnosis ▪ Identification of client problems, risks and strengths ▪ Nursing diagnosis statement – parts, Types, Formulating, Guidelines for formulating Nursing Diagnosis ▪ NANDA approved diagnoses ▪ Difference between medical and nursing diagnosis ○ Planning ▪ Types of planning ▪ Establishing Priorities ▪ Establishing Goals and Expected Outcomes – Purposes, types, guidelines, Components of goals and outcome statements ▪ Types of Nursing Interventions, Selecting interventions: Protocols and Standing Orders ▪ Introduction to Nursing Intervention Classification and Nursing Outcome Classification ▪ Guidelines for writing care plan ○ Implementation ▪ Process of Implementing the plan of care ▪ Types of care – Direct and Indirect ○ Evaluation ▪ Evaluation Process, Documentation and Reporting		
III	5 (T) 5 (SL)	Identify and meet the Nutritional needs of patients	Nutritional needs • Importance • Factors affecting nutritional needs • Assessment of nutritional status • <i>Review</i>: special diets – Solid, Liquid, Soft • <i>Review</i> on therapeutic diets • Care of patient with Dysphagia,	• Lecture • Discussion • Demonstration • Exercise • Supervised Clinical practice	• Essay • Short answer • Objective type • Evaluation of nutritional assessment & diet planning

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			Anorexia, Nausea, Vomiting - Meeting Nutritional needs: Principles, equipment, procedure, indications - Oral - Enteral: Nasogastric/ Orogastric - Introduction to other enteral feeds – types, indications, Gastrostomy, Jejunostomy - Parenteral – TPN (Total Parenteral Nutrition)		
IV	5 (T) 15 (SL)	Identify and meet the hygienic needs of patients	Hygiene - Factors Influencing Hygienic Practice - Hygienic care: Indications and purposes, effects of neglected care - Care of the Skin – (Bath, feet and nail, Hair Care) - Care of pressure points - Assessment of Pressure Ulcers using Braden Scale and Norton Scale - Pressure ulcers – causes, stages and manifestations, care and prevention - Perineal care/Meatal care - Oral care, Care of Eyes, Ears and Nose including assistive devices (eye glasses, contact lens, dentures, hearing aid)	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type - OSCE
V	10 (T) 10 (SL)	Identify and meet the elimination needs of patient	Elimination needs - Urinary Elimination - Review of Physiology of Urine Elimination, Composition and characteristics of urine - Factors Influencing Urination - Alteration in Urinary Elimination - Facilitating urine elimination: assessment, types, equipment, procedures and special considerations - Providing urinal/bed pan - Care of patients with - Condom drainage - Intermittent Catheterization - Indwelling Urinary catheter and urinary drainage - Urinary diversions - Bladder irrigation	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type - OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Bowel Elimination - Review of Physiology of Bowel Elimination, Composition and characteristics of feces - Factors affecting Bowel elimination - Alteration in Bowel Elimination - Facilitating bowel elimination: Assessment, equipment, procedures - Enemas - Suppository - Bowel wash - Digital Evacuation of impacted feces - Care of patients with Ostomies (Bowel Diversion Procedures)		
VI	3 (T) 4 (SL)	Explain various types of specimens and identify normal values of tests Develop skill in specimen collection, handling and transport	Diagnostic testing - Phases of diagnostic testing (pre-test, intra-test & post-test) in Common investigations and clinical implications - Complete Blood Count - Serum Electrolytes - LFT - Lipid/Lipoprotein profile - Serum Glucose – AC, PC, HbA1c - Monitoring Capillary Blood Glucose (Glucometer Random Blood Sugar – GRBS) - Stool Routine Examination - Urine Testing – Albumin, Acetone, pH, Specific Gravity - Urine Culture, Routine, Timed Urine Specimen - Sputum culture - Overview of Radiologic & Endoscopic Procedures	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type
VII	11 (T) 10 (SL)	Assess patients for oxygenation needs, promote oxygenation and provide care during oxygen therapy	Oxygenation needs - Review of Cardiovascular and Respiratory Physiology - Factors affecting respiratory functioning - Alterations in Respiratory Functioning - Conditions affecting - Airway - Movement of air	- Lecture - Discussion - Demonstration & Re-demonstration	- Essay - Short answer - Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			○ Diffusion ○ Oxygen transport ● Alterations in oxygenation ● Nursing interventions to promote oxygenation: assessment, types, equipment used & procedure ○ Maintenance of patent airway ○ Oxygen administration ○ Suctioning – oral, tracheal ○ Chest physiotherapy – Percussion, Vibration & Postural drainage ○ Care of Chest drainage – principles & purposes ○ Pulse Oximetry – Factors affecting measurement of oxygen saturation using pulse oximeter, Interpretation ● Restorative & continuing care ○ Hydration ○ Humidification ○ Coughing techniques ○ Breathing exercises ○ Incentive spirometry		
VIII	5 (T) 10 (SL)	Describe the concept of fluid, electrolyte balance	Fluid, Electrolyte, and Acid – Base Balances ● Review of Physiological Regulation of Fluid, Electrolyte and Acid-Base Balances ● Factors Affecting Fluid, Electrolyte and Acid-Base Balances ● Disturbances in fluid volume: ○ Deficit ▪ Hypovolemia ▪ Dehydration ○ Excess ▪ Fluid overload ▪ Edema ● Electrolyte imbalances (hypo and hyper) ○ Acid-base imbalances ▪ Metabolic – acidosis & alkalosis ▪ Respiratory – acidosis & alkalosis ○ Intravenous therapy	● Lecture ● Discussion ● Demonstration	● Essay ● Short answer ● Objective type ● Problem solving – calculations

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Peripheral venipuncture sites - Types of IV fluids - Calculation for making IV fluid plan - Complications of IV fluid therapy - Measuring fluid intake and output - Administering Blood and Blood components - Restricting fluid intake - Enhancing Fluid intake		
IX	20 (T) 22 (SL)	Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within and between systems of measurements Administer oral and topical medication and document accurately under supervision	Administration of Medications - Introduction – Definition of Medication, Administration of Medication, Drug Nomenclature, Effects of Drugs, Forms of Medications, Purposes, Pharmacodynamics and Pharmacokinetics - Factors influencing Medication Action - Medication orders and Prescriptions - Systems of measurement - Medication dose calculation - Principles, 10 rights of Medication Administration - Errors in Medication administration - Routes of administration - Storage and maintenance of drugs and Nurses responsibility - Terminologies and abbreviations used in prescriptions and medications orders - Developmental considerations - Oral, Sublingual and Buccal routes: Equipment, procedure - Introduction to Parenteral Administration of Drugs – Intramuscular, Intravenous, Subcutaneous, Intradermal: Location of site, Advantages and disadvantages of the specific sites, Indication and contraindications for the different routes and sites. - Equipment – Syringes & needles, cannulas, Infusion sets – parts, types, sizes - Types of vials and ampoules, Preparing Injectable medicines from vials and ampoules - Care of equipment: decontamination and disposal of syringes, needles,	- Lecture - Discussion - Demonstration & Re-demonstration	- Essay - Short answer - Objective type - OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			infusion sets ○ Prevention of Needle-Stick Injuries • Topical Administration: Types, purposes, site, equipment, procedure ○ Application to skin & mucous membrane ○ Direct application of liquids, Gargle and swabbing the throat ○ Insertion of Drug into body cavity: Suppository/ medicated packing in rectum/vagina ○ Instillations: Ear, Eye, Nasal, Bladder, and Rectal ○ Irrigations: Eye, Ear, Bladder, Vaginal and Rectal ○ Spraying: Nose and throat • Inhalation: Nasal, oral, endotracheal/tracheal (steam, oxygen and medications) – purposes, types, equipment, procedure, recording and reporting of medications administered • Other Parenteral Routes: Meaning of epidural, intrathecal, intraosseous, intraperitoneal, intra-pleural, intra-arterial		
X	5 (T) 6 (SL)	Provide care to patients with altered functioning of sense organs and unconsciousness in supervised clinical practice	Sensory needs • Introduction • Components of sensory experience – Reception, Perception & Reaction • Arousal Mechanism • Factors affecting sensory function • Assessment of Sensory alterations – sensory deficit, deprivation, overload & sensory poverty • Management ○ Promoting meaningful communication (patients with Aphasia, artificial airway & Visual and Hearing impairment) Care of Unconscious Patients • Unconsciousness: Definition, causes & risk factors, pathophysiology, stages of Unconsciousness, Clinical Manifestations • Assessment and nursing management of patient with unconsciousness, complications	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
XI	4 (T) 6 (SL)	Explain loss, death and grief	Care of Terminally ill, death and dying - Loss – Types - Grief, Bereavement & Mourning - Types of Grief responses - Manifestations of Grief - Factors influencing Loss & Grief Responses - Theories of Grief & Loss – Kubler Ross 5 Stages of Dying - The R Process model (Rando's) - Death – Definition, Meaning, Types (Brain & Circulatory Deaths) - Signs of Impending Death - Dying patient's Bill of Rights - Care of Dying Patient - Physiological changes occurring after Death - Death Declaration, Certification - Autopsy - Embalming - Last office/Death Care - Counseling & supporting grieving relatives - Placing body in the Mortuary - Releasing body from Mortuary - Overview – Medico-legal Cases, Advance directives, DNI/DNR, Organ Donation, Euthanasia	- Lecture - Discussion - Case discussions - Death care/last office	- Essay - Short answer - Objective type
			PSYCHOSOCIAL NEEDS (A-D)		
XII	3 (T)	Develop basic understanding of self-concept	A. Self-concept - Introduction - Components (Personal Identity, Body Image, Role Performance, Self Esteem) - Factors affecting Self Concept - Nursing Management	- Lecture - Discussion - Demonstration - Case Discussion/ Role play	- Essay - Short answer - Objective type
XIII	2 (T)	Describe sexual development and sexuality	B. Sexuality - Sexual development throughout life - Sexual health - Sexual orientation - Factors affecting sexuality	- Lecture - Discussion	- Essay - Short answer - Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Prevention of STIs, unwanted pregnancy, avoiding sexual harassment and abuse - Dealing with inappropriate sexual behavior		
XIV	2 (T) 4 (SL)	Describe stress and adaptation	C. Stress and Adaptation – Introductory concepts - Introduction - Sources, Effects, Indicators & Types of Stress - Types of stressors - Stress Adaptation – General Adaptation Syndrome (GAS), Local Adaptation Syndrome (LAS) - Manifestation of stress – Physical & psychological - Coping strategies/ Mechanisms - Stress Management - Assist with coping and adaptation - Creating therapeutic environment - Recreational and diversion therapies	- Lecture - Discussion	- Essay - Short answer - Objective type
XV	6 (T)	Explain culture and cultural norms Integrate cultural differences and spiritual needs in providing care to patients under supervision	D. Concepts of Cultural Diversity and Spirituality - Cultural diversity - Cultural Concepts – Culture, Subculture, Multicultural, Diversity, Race, Acculturation, Assimilation - Transcultural Nursing - Cultural Competence - Providing Culturally Responsive Care - Spirituality - Concepts – Faith, Hope, Religion, Spirituality, Spiritual Wellbeing - Factors affecting Spirituality - Spiritual Problems in Acute, Chronic, Terminal illnesses & Near-Death Experience - Dealing with Spiritual Distress/Problems	- Lecture - Discussion	- Essay - Short answer - Objective type
XVI	6 (T)	Explain the significance of nursing theories	Nursing Theories: Introduction - Meaning & Definition, Purposes, Types of theories with examples, Overview of selected nursing theories – Nightingale, Orem, Roy - Use of theories in nursing practice	- Lecture - Discussion	- Essay - Short answer - Objective type

CLINICAL PRACTICUM

Clinical: 4 Credits (320 hours)

PRACTICE COMPETENCIES: On completion of the course, the student will be able to

1. Perform health assessment of each body system
2. Develop skills in assessment, planning, implementation and evaluation of nursing care using Nursing process approach
3. Identify and meet the Nutritional needs of patients
4. Implement basic nursing techniques in meeting hygienic needs of patients
5. Plan and Implement care to meet the elimination needs of patient
6. Develop skills in instructing and collecting samples for investigation.
7. Perform simple lab tests and analyze & interpret common diagnostic values
8. Identify patients with impaired oxygenation and demonstrate skill in caring for patients with impaired oxygenation
9. Identify and demonstrate skill in caring for patients with fluid, electrolyte and acid – base imbalances
10. Assess, plan, implement & evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness
11. Care for terminally ill and dying patients

SKILL LAB

Use of Mannequins and Simulators

S.No.	Competencies	Mode of Teaching
1.	Health Assessment	Standardized Patient
2.	Nutritional Assessment	Standardized Patient
3.	Sponge bath, oral hygiene, perineal care	Mannequin
4.	Nasogastric tube feeding	Trainer/ Simulator
5.	Providing bed pan & urinal	Mannequin
6.	Catheter care	Catheterization Trainer
7.	Bowel wash, enema, insertion of suppository	Simulator/ Mannequin
8.	Oxygen administration – face mask, venture mask, nasal prongs	Mannequin
9.	Administration of medication through Parenteral route – IM, SC, ID, IV	IM injection trainer, ID injection trainer, IV arm (Trainer)
10.	Last Office	Mannequin

CLINICAL POSTINGS – General Medical/Surgical Wards**(16 weeks × 20 hours per week = 320 hours)**

Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
General Medical/ Surgical wards	3	Perform health assessment of each body system	Health Assessment • Nursing/Health history taking • Perform physical examination: ○ General	• History Taking – 2 • Physical examination – 2	• Assessment of clinical skills using checklist • OSCE

Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
			○ Body systems ● Use various methods of physical examination – Inspection, Palpation, Percussion, Auscultation, Olfaction ● Identification of system wise deviations ● Documentation of findings		
	1	Develop skills in assessment, planning, implementation and evaluation of nursing care using Nursing process approach	The Nursing Process ● Prepare Nursing care plan for the patient based on the given case scenario	● Nursing process – 1	● Evaluation of Nursing process with criteria
	2	Identify and meet the Nutritional needs of patients Implement basic nursing techniques in meeting hygienic needs of patients	Nutritional needs, Elimination needs & Diagnostic testing <i>Nutritional needs</i> ● Nutritional Assessment ● Preparation of Nasogastric tube feed ● Nasogastric tube feeding <i>Hygiene</i> ● Care of Skin & Hair: – Sponge Bath/ Bed bath – Care of pressure points & back massage ● Pressure sore risk assessment using Braden/Norton scale – Hair wash – Pediculosis treatment ● Oral Hygiene ● Perineal Hygiene ● Catheter care	● Nutritional Assessment and Clinical Presentation – 1 ● Pressure sore assessment – 1	● Assessment of clinical skills using checklist ● OSCE

	2	Plan and Implement care to meet the elimination needs of patient Develop skills in instructing and collecting samples for investigation.	Elimination needs • Providing – Urinal – Bedpan • Insertion of Suppository • Enema • Urinary Catheter care • Care of urinary drainage Diagnostic testing	• Clinical Presentation on Care of patient with Constipation – 1 • Lab values – inter-pretation	• Assessment of clinical skills using checklist • OSCE
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Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
		Perform simple lab tests and analyze & interpret common diagnostic values	- Specimen Collection - Urine routine and culture - Stool routine - Sputum Culture - Perform simple Lab Tests using reagent strips - Urine – Glucose, Albumin, Acetone, pH, Specific gravity - Blood – GRBS Monitoring		
	3	Identify patients with impaired oxygenation and demonstrate skill in caring for patients with impaired oxygenation Identify and demonstrate skill in caring for patients with fluid, electrolyte and acid – base imbalances	Oxygenation needs, Fluid, Electrolyte, and Acid – Base Balances <i>Oxygenation needs</i> - Oxygen administration methods - Nasal Prongs - Face Mask/Venturi Mask - Steam inhalation - Chest Physiotherapy - Deep Breathing & Coughing Exercises - Oral Suctioning <i>Fluid, Electrolyte, and Acid – Base Balances</i> - Maintaining intake output chart - Identify & report complications of IV therapy - Observe Blood & Blood Component therapy - Identify & Report Complications of Blood & Blood Component therapy		- Assessment of clinical skills using checklist - OSCE - Assessment of clinical skills using checklist - OSCE
	3	Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within and between systems of Measurements Administer drugs by the following routes- Oral, Intradermal,	Administration of Medications - Calculate Drug Dosages - Preparation of lotions & solutions - Administer Medications - Oral - Topical - Inhalations - Parenteral - Intradermal - Subcutaneous		- Assessment of clinical skills using checklist - OSCE

Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
		Subcutaneous, Intramuscular, Intra Venous Topical, inhalation	▪ -Intramuscular ▪ Instillations ○ Eye, Ear, Nose –instillation of medicated drops, nasal sprays, irrigations		
	2	Assess, plan, implement & evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness Care for terminally ill and dying patients	Sensory Needs and Care of Unconscious patients, Care of Terminally ill, death and dying <i>Sensory Needs and Care of Unconscious patients</i> • Assessment of Level of Consciousness using Glasgow Coma Scale <i>Terminally ill, death and dying</i> • Death Care	• Nursing rounds on care of patient with altered sensorium	• Assessment of clinical skills using checklist • OSCE • Assessment of clinical skills using checklist

HEALTH/NURSING INFORMATICS AND TECHNOLOGY

PLACEMENT: II SEMESTER

THEORY: 2 Credits (40 hours)

PRACTICAL/LAB: 1 Credit (40 hours)

DESCRIPTION: This course is designed to equip novice nursing students with knowledge and skills necessary to deliver efficient informatics-led health care services.

COMPETENCIES: On completion of the course, the students will be able to

1. Develop a basic understanding of computer application in patient care and nursing practice.
2. Apply the knowledge of computer and information technology in patient care and nursing education, practice, administration and research.
3. Describe the principles of health informatics and its use in developing efficient healthcare.
4. Demonstrate the use of information system in healthcare for patient care and utilization of nursing data.
5. Demonstrate the knowledge of using Electronic Health Records (EHR) system in clinical practice.
6. Apply the knowledge of interoperability standards in clinical setting.
7. Apply the knowledge of information and communication technology in public health promotion.
8. Utilize the functionalities of Nursing Information System (NIS) system in nursing.
9. Demonstrate the skills of using data in management of health care.
10. Apply the knowledge of the principles of digital ethical and legal issues in clinical practice.
11. Utilize evidence-based practices in informatics and technology for providing quality patient care.
12. Update and utilize evidence-based practices in nursing education, administration, and practice.

COURSE OUTLINE

T – Theory, P/L – Lab

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P/L				
I	10	15	Describe the importance of computer and technology in patient care and nursing practice	Introduction to computer applications for patient care delivery system and nursing practice • Use of computers in teaching, learning, research and nursing practice	• Lecture • Discussion • Practice session • Supervised clinical practice on EHR use • Participate in data analysis using statistical package with statistician	(T) • Short answer • Objective type • Visit reports • Assessment of assignments
			Demonstrate the use of computer and technology in patient care, nursing education, practice, administration and research.	• Windows, MS office: Word, Excel, Power Point • Internet • Literature search • Statistical packages • Hospital management information system	• Visit to hospitals with different hospital management systems	(P) • Assessment of skills using checklist
II	4	5	Describe the principles of health informatics Explain the ways data, knowledge and information can be used for effective healthcare	Principles of Health Informatics • Health informatics – needs, objectives and limitations • Use of data, information and knowledge for more effective healthcare and better health	• Lecture • Discussion • Practical session • Work in groups with health informatics team in a hospital to extract nursing data and prepare a report	(T) • Essay • Short answer • Objective type questions • Assessment of report
III	3	5	Describe the concepts of information system in health Demonstrate the use of health information system in hospital setting	Information Systems in Healthcare • Introduction to the role and architecture of information systems in modern healthcare environments • Clinical Information System (CIS)/Hospital information System (HIS)	• Lecture • Discussion • Demonstration • Practical session • Work in groups with nurse leaders to understand the hospital information system	(T) • Essay • Short answer • Objective type
IV	4	4	Explain the use of electronic health records in nursing practice Describe the latest trend in electronic health records standards and interoperability	Shared Care & Electronic Health Records • Challenges of capturing rich patient histories in a computable form • Latest global developments and standards to enable lifelong electronic health records to be integrated from disparate systems.	• Lecture • Discussion • Practice on Simulated EHR system • Practical session • Visit to health informatics department of a hospital to understand the use of EHR in nursing practice	(T) • Essay • Short answer • Objective type (P) • Assessment of skills using checklist

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P/L				
					Prepare a report on current EHR standards in Indian setting	
V	3		Describe the advantages and limitations of health informatics in maintaining patient safety and risk management	Patient Safety & Clinical Risk - Relationship between patient safety and informatics - Function and application of the risk management process	- Lecture - Discussion	(T) - Essay - Short answer - Objective type
VI	3	6	Explain the importance of knowledge management Describe the standardized languages used in health informatics	Clinical Knowledge & Decision Making - Role of knowledge management in improving decision-making in both the clinical and policy contexts - Systematized Nomenclature of Medicine, Clinical Terms, SNOMED CT to ICD-10-CM Map, standardized nursing terminologies (NANDA, NOC), Omaha system.	- Lecture - Discussion - Demonstration - Practical session - Work in groups to prepare a report on standardized languages used in health informatics. - Visit health informatics department to understand the standardized languages used in hospital setting	(T) - Essay - Short answer - Objective type
VII	3		Explain the use of information and communication technology in patient care Explain the application of public health informatics	eHealth: Patients and the Internet - Use of information and communication technology to improve or enable personal and public healthcare - Introduction to public health informatics and role of nurses	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type - Practical exam
VIII	3	5	Describe the functions of nursing information system Explain the use of healthcare data in management of health care organization	Using Information in Healthcare Management - Components of Nursing Information system(NIS) - Evaluation, analysis and presentation of healthcare data to inform decisions in the management of health-care organizations	- Lecture - Discussion - Demonstration on simulated NIS software - Visit to health informatics department of the hospital to understand use of healthcare data in decision making	(T) - Essay - Short answer - Objective type
IX	4		Describe the ethical and legal issues in healthcare informatics Explains the ethical and legal issues	Information Law & Governance in Clinical Practice - Ethical-legal issues pertaining to healthcare information in contemporary clinical practice - Ethical-legal issues related to	- Lecture - Discussion - Case discussion - Role play	(T) - Essay - Short answer - Objective type

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P/L				
			related to nursing informatics	digital health applied to nursing		
X	3		Explain the relevance of evidence-based practices in providing quality healthcare	Healthcare Quality & Evidence Based Practice Use of scientific evidence in improving the quality of healthcare and technical and professional informatics standards	- Lecture - Discussion - Case study	(T) - Essay - Short answer - Objective type

SKILLS

- Utilize computer in improving various aspects of nursing practice.
- Use technology in patient care and professional advancement.
- Use data in professional development and efficient patient care.
- Use information system in providing quality patient care.
- Use the information system to extract nursing data.
- Develop skill in conducting literature review.

APPLIED MICROBIOLOGY AND INFECTION CONTROL INCLUDING SAFETY

PLACEMENT: III SEMESTER

THEORY: 2 Credits (40 hours)

PRACTICAL: 1 Credit (40 hours) (Lab/Experiential Learning – L/E)

SECTION A: APPLIED MICROBIOLOGY

THEORY: 20 hours

PRACTICAL: 20 hours (Lab/Experiential Learning – L/E)

DESCRIPTION: This course is designed to enable students to acquire understanding of fundamentals of Microbiology, compare and contrast different microbes and comprehend the means of transmission and control of spread by various microorganisms. It also provides opportunities for practicing infection control measures in hospital and community settings.

COMPETENCIES: On completion of the course, the students will be able to:

- Identify the ubiquity and diversity of microorganisms in the human body and the environment.
- Classify and explain the morphology and growth of microbes.
- Identify various types of microorganisms.
- Explore mechanisms by which microorganisms cause disease.
- Develop understanding of how the human immune system counteracts infection by specific and non-specific mechanisms.
- Apply the principles of preparation and use of vaccines in immunization.
- Identify the contribution of the microbiologist and the microbiology laboratory to the diagnosis of infection.

COURSE OUTLINE

T – Theory, L/E – Lab/Experiential Learning

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
I	3		Explain concepts and principles of microbiology and its importance in nursing	Introduction: - Importance and relevance to nursing - Historical perspective - Concepts and terminology - Principles of microbiology	Lecture cum Discussion	- Short answer - Objective type
II	10	10 (L/E)	Describe structure, classification morphology and growth of bacteria Identify Microorganisms	General characteristics of Microbes: - Structure and classification of Microbes - Morphological types - Size and form of bacteria - Motility - Colonization - Growth and nutrition of microbes - Temperature - Moisture - Blood and body fluids - Laboratory methods for Identification of Microorganisms - Types of Staining – simple, differential (Gram's, AFB), special – capsular staining (negative), spore, LPCB, KOH mount. - Culture and media preparation – solid and liquid. Types of media – semi synthetic, synthetic, enriched, enrichment, selective and differential media. Pure culture techniques – tube dilution, pour, spread, streak plate. Anaerobic cultivation of bacteria	- Lecture cum Discussion - Demonstration - Experiential Learning through visual	- Short answer - Objective type
III	4	6 (L/E)	Describe the different disease producing organisms	Pathogenic organisms - Micro-organisms: Cocci – gram positive and gram negative; Bacilli – gram positive and gram negative - Viruses - Fungi: Superficial and Deep mycoses - Parasites - Rodents & Vectors - Characteristics, Source, portal of entry, transmission of infection, Identification of disease producing micro-organisms	- Lecture cum Discussion - Demonstration - Experiential learning through visual	- Short answer - Objective type

IV	3	4 (L/E)	Explain the concepts of	Immunity	• Lecture	• Short answer • Objective
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Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
			immunity, hyper sensitivity and immunization	• Immunity: Types, classification • Antigen and antibody reaction • Hypersensitivity reactions • Serological tests • Immunoglobulins: Structure, types & properties • Vaccines: Types & classification, storage and handling, cold chain, Immunization for various diseases • Immunization Schedule	• Discussion • Demonstration • Visit to observe vaccine storage • Clinical practice	type • Visit report

SECTION B: INFECTION CONTROL & SAFETY

THEORY: 20 hours

PRACTICAL/LAB: 20 hours (Lab/Experiential Learning – L/E)

DESCRIPTION: This course is designed to help students to acquire knowledge and develop competencies required for fundamental patient safety and infection control in delivering patient care. It also focuses on identifying patient safety indicators, preventing and managing hospital acquired infections, and in following universal precautions.

COMPETENCIES: The students will be able to:

1. Develop knowledge and understanding of Hospital acquired Infections (HAI) and effective practices for prevention.
2. Integrate the knowledge of isolation (Barrier and reverse barrier) techniques in implementing various precautions.
3. Demonstrate and practice steps in Hand washing and appropriate use of different types of PPE.
4. Illustrate various disinfection and sterilization methods and techniques.
5. Demonstrate knowledge and skill in specimen collection, handling and transport to optimize the diagnosis for treatment.
6. Incorporate the principles and guidelines of Bio Medical waste management.
7. Apply the principles of Antibiotic stewardship in performing the nurses' role.
8. Identify patient safety indicators and perform the role of nurse in the patient safety audit process.
9. Apply the knowledge of International Patient Safety Goals (IPSG) in the patient care settings.
10. Identify employee safety indicators and risk of occupational hazards.
11. Develop understanding of the various safety protocols and adhere to those protocols.

COURSE OUTLINE

T – Theory, L/E – Lab/Experiential Learning

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
I	2	2 (E)	Summarize the evidence based and effective patient care practices for the prevention of common healthcare associated infections in the healthcare	HAI (Hospital acquired Infection) • Hospital acquired infection • Bundle approach - Prevention of Urinary Tract Infection (UTI) - Prevention of Surgical Site Infection (SSI) - Prevention of Ventilator	• Lecture & Discussion • Experiential learning	• Knowledge assessment • MCQ • Short answer

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
			setting	Associated events (VAE) - Prevention of Central Line Associated Blood Stream Infection (CLABSI) • Surveillance of HAI – Infection control team & Infection control committee		
II	3	4 (L)	Demonstrate appropriate use of different types of PPEs and the critical use of risk assessment	Isolation Precautions and use of Personal Protective Equipment (PPE) • Types of isolation system, standard precaution and transmission-based precautions (Direct Contact, Droplet, Indirect) • Epidemiology & Infection prevention – CDC guidelines • Effective use of PPE	• Lecture • Demonstration & Re-demonstration	• Performance assessment • OSCE
III	1	2 (L)	Demonstrate the hand hygiene practice and its effectiveness on infection control	Hand Hygiene • Types of Hand hygiene. • Hand washing and use of alcohol hand rub • Moments of Hand Hygiene • WHO hand hygiene promotion	• Lecture • Demonstration & Re-demonstration	• Performance assessment
IV	1	2 (E)	Illustrates disinfection and sterilization in the healthcare setting	Disinfection and sterilization • Definitions • Types of disinfection and sterilization • Environment cleaning • Equipment Cleaning • Guides on use of disinfectants • Spaulding's principle	• Lecture • Discussion • Experiential learning through visit	• Short answer • Objective type
V	1		Illustrate on what, when, how, why specimens are collected to optimize the diagnosis for treatment and management.	Specimen Collection (Review) • Principle of specimen collection • Types of specimens • Collection techniques and special considerations • Appropriate containers • Transportation of the sample • Staff precautions in handling specimens	• Discussion	• Knowledge evaluation • Quiz • Performance assessment • Checklist
VI	2	2 (E)	Explain on Bio Medical waste management & laundry management	BMW (Bio Medical Waste Management) <i>Laundry management process and infection control and prevention</i>	• Discussion • Demonstration • Experiential learning through	• Knowledge assessment by short answers, objective type • Performance

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
				• Waste management process and infection prevention • Staff precautions • Laundry management • Country ordinance and BMW National guidelines 2017: Segregation of wastes, Colour coded waste containers, waste collection & storage, Packaging & labeling, Transportation	visit	assessment
VII	2		Explain in detail about Antibiotic stewardship, AMR Describe MRSA/ MDRO and its prevention	Antibiotic stewardship • Importance of Antibiotic Stewardship • Anti-Microbial Resistance • Prevention of MRSA, MDRO in healthcare setting	• Lecture • Discussion • Written assignment –Recent AMR (Antimicrobial resistance) guidelines	• Short answer • Objective type • Assessment of assignment

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
					• Role play • Inquiry Based Learning	• Objective type
IX	1		Enumerate IPSPG and application of the goals in the patient care settings.	IPSPG (International Patient safety Goals) • Identify patient correctly • Improve effective communication • Improve safety of High Alert medication • Ensure safe surgery • Reduce the risk of health care associated infection • Reduce the risk of patient harm resulting from falls • Reduce the harm associated with clinical alarm system	• Lecture • Role play	• Objective type
X	2	3 (L/E)	Enumerate the various safety protocols and its applications	Safety protocol • 5S (Sort, Set in order, Shine, Standardize, Sustain) • Radiation safety • Laser safety • Fire safety - Types and classification of fire - Fire alarms - Firefighting equipment • HAZMAT (Hazardous Materials) safety - Types of spill - Spillage management - MSDS (Material Safety Data Sheets) • Environmental safety - Risk assessment - Aspect impact analysis - Maintenance of Temp and Humidity (Department wise) - Audits • Emergency Codes • Role of Nurse in times of disaster	• Lecture • Demonstration/ Experiential learning	• Mock drills • Post tests • Checklist

XI	2		Explain importance of employee safety	Employee Safety Indicators • Vaccination • Needle stick injuries (NSI)	• Lecture • Discussion	• Knowledge assessment by short answers,
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Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
			indicators Identify risk of occupational hazards, prevention and post exposure prophylaxis.	prevention • Fall prevention • Radiation safety • Annual health check Healthcare Worker Immunization Program and management of occupational exposure • Occupational health ordinance • Vaccination program for healthcare staff • Needle stick injuries and prevention and post exposure prophylaxis	• Lecture method • Journal review	objective type • Short answer

PHARMACOLOGY - I

PLACEMENT: III SEMESTER

THEORY: 1 Credit (20 hours)

DESCRIPTION: This course is designed to enable students to acquire understanding of Pharmacodynamics, Pharmacokinetics, principles of therapeutics and nursing implications.

COMPETENCIES: On completion of the course, the students will be able to

1. Describe pharmacodynamics and pharmacokinetics.
2. Review the principles of drug calculation and administration.
3. Explain the commonly used antiseptics and disinfectants.
4. Describe the pharmacology of drugs acting on the GI system.
5. Describe the pharmacology of drugs acting on the respiratory system.
6. Describe drugs used in the treatment of cardiovascular and blood disorders.
7. Explain the drugs used in the treatment of endocrine system disorders.
8. Describe the drugs acting on skin and drugs used to treat communicable diseases.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	3 (T)	Describe Pharmacodynamics, Pharmacokinetics, Classification, principles of administration of drugs	Introduction to Pharmacology - Definitions & Branches - Nature & Sources of drugs - Dosage Forms and Routes of drug administration - Terminology used - Classification, Abbreviations, Prescription, Drug Calculation, Weights and Measures <i>Pharmacodynamics</i>: Actions, Drug Antagonism, Synergism, Tolerance, Receptors, Therapeutic, adverse, toxic effects, pharmacovigilance <i>Pharmacokinetics</i>: Absorption, Bioavailability, Distribution, Metabolism, Interaction, Excretion - Review: Principles of drug administration and treatment individualization - Factors affecting dose, route etc. - Indian Pharmacopoeia: Legal Issues, Drug Laws, Schedule Drugs - Rational Use of Drugs - Principles of Therapeutics	- Lecture cum Discussion - Guided reading and written assignment on schedule K drugs	- Short answer - Objective type - Assessment of assignments
II	1 (T)	Describe antiseptics, and disinfectant & nurse's responsibilities	Pharmacology of commonly used antiseptics and disinfectants - Antiseptics and Disinfectants - Composition, action, dosage, route, indications, contraindications, Drug interactions, side effects, adverse effects, toxicity and role of nurse	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type
III	2 (T)	Describe drugs acting on gastro-intestinal system & nurse's responsibilities	Drugs acting on G.I. system - Pharmacology of commonly used drugs - Emetics and Antiemetics - Laxatives and Purgatives - Antacids and antipeptic ulcer drugs - Anti-diarrhoeals – Fluid and electrolyte therapy, Furazolidone, dicyclomine - Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
IV	2 (T)	Describe drugs acting on respiratory system & nurse's responsibilities	Drugs acting on respiratory system - Pharmacology of commonly used - Antiasthmatics – Bronchodilators (Salbutamol inhalers) - Decongestants - Expectorants, Antitussives and Mucolytics - Broncho-constrictors and Antihistamines - Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects toxicity and role of nurse	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type
V	4 (T)	Describe drugs used on cardio-vascular system & nurse's responsibilities	Drugs used in treatment of Cardiovascular system and blood disorders - Haematinics, & treatment of anemia and antiadrenergics - Cholinergic and anticholinergic - Adrenergic Drugs for CHF & vasodilators - Antianginals - Antiarrhythmics - Antihypertensives - Coagulants & Anticoagulants - Antiplatelets & thrombolytics - Hypolipidemics - Plasma expanders & treatment of shock - Drugs used to treat blood disorders - Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type
VI	2 (T)	Describe the drugs used in treatment of endocrine system disorders	Drugs used in treatment of endocrine system disorders - Insulin & oral hypoglycemics - Thyroid and anti-thyroid drugs - Steroids - Corticosteroids - Anabolic steroids - Calcitonin, parathormone, vitamin D3, calcium metabolism - Calcium salts	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
VII	1 (T)	Describe drugs used in skin diseases & nurse's responsibilities	Drugs used in treatment of integumentary system • Antihistaminics and antipruritics • Topical applications for skin- Benzylbenzoate, Gamma BHC, Clotrimazole, Miconazole, Silver Sulphadiazine (burns) • Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects toxicity and role of nurse	• Lecture cum Discussion • Drug study/ presentation	• Short answer • Objective type
VIII	5 (T)	Explain drug therapy/ chemotherapy of specific infections & infestations & nurse's responsibilities	Drugs used in treatment of communicable diseases (common infections, infestations) • General Principles for use of Antimicrobials • Pharmacology of commonly used drugs: ○ Penicillin, Cephalosporin's, Aminoglycosides, Macrolide & broad spectrum antibiotics, Sulfonamides, quinolones, Misc. antimicrobials • Anaerobic infections • Antitubercular drugs, • Antileprosy drugs • Antimalarials • Antiretroviral drugs • Antiviral agents • Anthelmintics, Antiscabies agents • Antifungal agents • Composition, action, dosage, route, indications, contraindications, Drug interactions, side effects, adverse effects, toxicity and role of nurse	• Lecture cum Discussion • Drug study/ presentation	• Short answer • Objective type

PATHOLOGY - I

PLACEMENT: III SEMESTER

THEORY: 1 Credit (20 hours) (includes lab hours also)

DESCRIPTION: This course is designed to enable students to acquire knowledge of pathology of various disease conditions, understanding of genetics, its role in causation and management of defects and diseases and to apply this knowledge in practice of nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology.
2. Rationalize the various laboratory investigations in diagnosing pathological disorders.
3. Demonstrate the understanding of the methods of collection of blood, body cavity fluids, urine and feces for various tests.

4. Apply the knowledge of genetics in understanding the various pathological disorders.
5. Appreciate the various manifestations in patients with diagnosed genetic abnormalities.
6. Rationalize the specific diagnostic tests in the detection of genetic abnormalities.
7. Demonstrate the understanding of various services related to genetics.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	8 (T)	Define the common terms used in pathology Identify the deviations from normal to abnormal structure and functions of body system	Introduction • Importance of the study of pathology • Definition of terms in pathology • Cell injury: Etiology, pathogenesis of reversible and irreversible cell injury, Necrosis, Gangrene • Cellular adaptations: Atrophy, Hypertrophy, Hyperplasia, Metaplasia, Dysplasia, Apoptosis • Inflammation: ○ Acute inflammation (Vascular and Cellular events, systemic effects of acute inflammation) ○ Chronic inflammation (Granulomatous inflammation, systemic effects of chronic inflammation) • Wound healing • Neoplasia: Nomenclature, Normal and Cancer cell, Benign and malignant tumors, Carcinoma in situ, Tumor metastasis: general mechanism, routes of spread and examples of each route • Circulatory disturbances: Thrombosis, embolism, shock • Disturbance of body fluids and electrolytes: Edema, Transudates and Exudates	• Lecture • Discussion • Explain using slides • Explain with clinical scenarios	• Short answer • Objective type
II	5 (T)	Explain pathological changes in disease conditions of various systems	Special Pathology Pathological changes in disease conditions of selected systems: 1. Respiratory system • Pulmonary infections: Pneumonia, Lung abscess, pulmonary tuberculosis • Chronic Obstructive Pulmonary Disease: Chronic bronchitis, Emphysema, Bronchial Asthma, Bronchiectasis • Tumors of Lungs 2. Cardio-vascular system • Atherosclerosis • Ischemia and Infarction. • Rheumatic Heart Disease	• Lecture • Discussion • Explain using slides, X-rays and scans • Visit to pathology lab, endoscopy unit and OT	• Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Infective endocarditis 3. Gastrointestinal tract • Peptic ulcer disease (Gastric and Duodenal ulcer) • Gastritis-H Pylori infection • Oral mucosa: Oral Leukoplakia, Squamous cell carcinoma • Esophageal cancer • Gastric cancer • Intestinal: Typhoid ulcer, Inflammatory Bowel Disease (Crohn's disease and Ulcerative colitis), Colorectal cancer 4. Liver, Gall Bladder and Pancreas • Liver: Hepatitis, Amoebic Liver abscess, Cirrhosis of Liver • Gall bladder: Cholecystitis. • Pancreas: Pancreatitis • Tumors of liver, Gall bladder and Pancreas 5. Skeletal system • Bone: Bone healing, Osteoporosis, Osteomyelitis, Tumors • Joints: Arthritis - Rheumatoid arthritis and Osteoarthritis 6. Endocrine system • Diabetes Mellitus • Goitre • Carcinoma thyroid		
III	7 (T)	Describe various laboratory tests in assessment and monitoring of disease conditions	Hematological tests for the diagnosis of blood disorders • Blood tests: Hemoglobin, White cell and platelet counts, PCV, ESR • Coagulation tests: Bleeding time (BT), Prothrombin time (PT), Activated Partial Prothrombin Time (APTT) • Blood chemistry • Blood bank: ○ Blood grouping and cross matching ○ Blood components ○ Plasmapheresis ○ Transfusion reactions Note: Few lab hours can be planned for observation and visits (Less than 1 credit, lab hours are not specified separately)	• Lecture • Discussion • Visit to clinical lab, biochemistry lab and blood bank	• Short answer • Objective type

ADULT HEALTH NURSING - I WITH INTEGRATED PATHOPHYSIOLOGY (including BCLS module)**PLACEMENT:** III SEMESTER**THEORY:** 7 Credits (140 hours)**PRACTICUM:** Lab/Skill Lab (SL) – 1 Credit (40 hours) Clinical – 6 Credits (480 hours)

DESCRIPTION: This course is designed to equip the students to review and apply their knowledge of Anatomy, Physiology, Biochemistry and Behavioral sciences in caring for adult patients with Medical/Surgical disorders using nursing process approach and critical thinking. It also intends to develop competencies required for assessment, diagnosis, treatment, nursing management, and supportive/palliative care to patients with various Medical Surgical disorders.

COMPETENCIES: On completion of Medical Surgical Nursing I course, students will be able to

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments and complications of common medical and surgical disorders.
2. Perform complete health assessment to establish a data base for providing quality patient care and integrate the knowledge of anatomy, physiology and diagnostic tests in the process of data collection.
3. Identify nursing diagnoses, list them according to priority and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of pathology, nutrition and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.
7. Demonstrate skill in assisting/performing diagnostic and therapeutic procedures.
8. Demonstrate competencies/skills to patients undergoing treatment for medical surgical disorders.
9. Identify the drugs used in treating patients with medical surgical conditions.
10. Plan and give relevant individual and group education on significant medical surgical topics.
11. Maintain safe environment for patients and the health care personnel in the hospital.
12. Integrate evidence-based information while giving nursing care to patients.

COURSE CONTENT**T – Theory, L/SL – Lab/Skill Lab**

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	6 (T) 4 (L/SL)	Narrate the evolution of medical surgical nursing Apply nursing process in caring for patients with medical surgical problems Execute the role of a nurse in various medical surgical setting Develop skills in assessment and care of wound	Introduction • Evolution and trends of medical and surgical nursing • International classification of diseases • Roles and responsibility of a nurse in medical and surgical settings ○ Outpatient department ○ In-patient unit ○ Intensive care unit • Introduction to medical and surgical asepsis ○ Inflammation, infection ○ Wound healing – stages, influencing factors	• Lecture cum discussion • Demonstration & Practice session • Role play • Visit to outpatient department, in patient and intensive care unit	• Short Answer • OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Develop competency in providing pre and postoperative care	○ Wound care and dressing technique • Care of surgical patient ○ pre-operative ○ post-operative • Alternative therapies used in caring for patients with Medical Surgical Disorders		
II	15 (T) 4 (L/SL)	Explain organizational set up of the operating theatre Differentiate the role of scrub nurse and circulating nurse Describe the different positioning for various surgeries Apply principles of asepsis in handling the sterile equipment Demonstrate skill in scrubbing procedures Demonstrate skill in assessing the patient and document accurately the surgical safety checklist Develop skill in assisting with selected surgeries Explain the types, functions, and nursing considerations for different types of anaesthesia	Intraoperative Care • Organization and physical set up of the operation theatre ○ Classification ○ O.T Design ○ Staffing ○ Members of the OT team ○ Duties and responsibilities of the nurse in OT • Position and draping for common surgical procedures • Instruments, sutures and suture materials, equipment for common surgical procedures • Disinfection and sterilization of equipment • Preparation of sets for common surgical procedures • Scrubbing procedures – Gowning, masking and gloving • Monitoring the patient during the procedures • Maintenance of the therapeutic environment in OT • Assisting in major and minor operation, handling specimen • Prevention of accidents and hazards in OT • Anaesthesia – types, methods of administration, effects and stages, equipment & drugs • Legal aspects	• Lecture cum Discussion • Demonstration, Practice session, and Case Discussion • Visit to receiving bay	• Caring for patient intra operatively • Submit a list of disinfectants used for instruments with the action and precaution
III	6 (T) 4 (L/SL)	Identify the signs and symptoms of shock and electrolyte imbalances Develop skills in managing fluid and electrolyte imbalances	Nursing care of patients with common signs and symptoms and management • Fluid and electrolyte imbalance • Shock • Pain	• Lecture, discussion, demonstration • Case discussion	• Short answer • MCQ • Case report

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Perform pain assessment and plans for the nursing management			
IV	18 (T) 4 (L)	Demonstrate skill in respiratory assessment Differentiates different breath sounds and lists the indications Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of common respiratory problems Describe the health behaviour to be adopted in preventing respiratory illnesses	Nursing Management of patients with respiratory problems - Review of anatomy and physiology of respiratory system - Nursing Assessment – history taking, physical assessment and diagnostic tests - Common respiratory problems: - Upper respiratory tract infections - Chronic obstructive pulmonary diseases - Pleural effusion, Empyema - Bronchiectasis - Pneumonia - Lung abscess - Cyst and tumors - Chest Injuries - Acute respiratory distress syndrome - Pulmonary embolism - Health behaviours to prevent respiratory illness	- Lecture, discussion, - Demonstration - Practice session - Case presentation - Visit to PFT Lab	- Essay - Short answer - OSCE
V	16 (T) 5 (L)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of gastrointestinal disorders Demonstrate skill in gastrointestinal assessment Prepare patient for upper and lower gastrointestinal investigations Demonstrate skill in gastric decompression, gavage, and stoma care	Nursing Management of patients with disorders of digestive system - Review of anatomy and physiology of GI system - Nursing assessment –History and physical assessment - GI investigations - Common GI disorders: - Oral cavity: lips, gums and teeth - GI: Bleeding, Infections, Inflammation, tumors, Obstruction, Perforation & Peritonitis - Peptic & duodenal ulcer, - Mal-absorption, Appendicitis, Hernias - Hemorrhoids, fissures, Fistulas - Pancreas: inflammation, cysts, and tumors	- Lecture, Discussion - Demonstration, - Role play - Problem Based Learning - Visit to stoma clinic	- Short answer - Quiz - OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Demonstrate skill in different feeding techniques	○ Liver: inflammation, cysts, abscess, cirrhosis, portal hypertension, hepatic failure, tumors ○ Gall bladder: inflammation, Cholelithiasis, tumors ● Gastric decompression, gavage and stoma care, different feeding techniques ● Alternative therapies, drugs used in treatment of disorders of digestive system		
VI	20 (T) 5 (L)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of cardiovascular disorders Demonstrate skill in cardiovascular assessment Prepare patient for invasive and non-invasive cardiac procedures Demonstrate skill in monitoring and interpreting clinical signs related to cardiac disorders Complete BLS/BCLS module	Nursing Management of patients with cardiovascular problems ● Review of anatomy and physiology of cardio-vascular system ● Nursing Assessment: History and Physical assessment ● Invasive & non-invasive cardiac procedures ● Disorders of vascular system- Hypertension, arteriosclerosis, Raynaud's disease, aneurysm and peripheral vascular disorders ● Coronary artery diseases: coronary atherosclerosis, Angina pectoris, myocardial infarction ● Valvular disorders: congenital and acquired ● Rheumatic heart disease: pericarditis, myocarditis, endocarditis, cardiomyopathies ● Cardiac dysrhythmias, heart block ● Congestive heart failure, cor pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade ● Cardiopulmonary arrest	● Lecture, discussion ● Demonstration ● Practice session ● Case Discussion ● Health education ● Drug Book/ presentation ● Completion of BCLS Module	● Care plan ● Drug record ● BLS/ BCLS evaluation
VII	7 (T) 3 (L)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of hematological disorders Interpret blood reports	Nursing Management of patients with disorders of blood ● Review of Anatomy and Physiology of blood ● Nursing assessment: history, physical assessment & Diagnostic tests ● Anemia, Polycythemia ● Bleeding Disorders: clotting factor defects and platelets defects, thalassemia, leukemia, leukopenia,	● Field visit to blood bank ● Counseling	● Interpretation of blood reports ● Visit report

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Prepare and provides health education on blood donation	agranulocytosis • Lymphomas, myelomas		
VIII	8 (T) 2 (L)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of endocrine disorders Demonstrate skill in assessment of endocrine organ dysfunction Prepare and provides health education on diabetic diet Demonstrate skill in insulin administration	Nursing management of patients with disorders of endocrine system • Review of anatomy and physiology of endocrine system • Nursing Assessment –History and Physical assessment • Disorders of thyroid and Parathyroid, Adrenal and Pituitary (Hyper, Hypo, tumors) • Diabetes mellitus	• Lecture, discussion, demonstration • Practice session • Case Discussion • Health education	• Prepare health education on self-administration of insulin • Submits a diabetic diet plan
IX	8 (T) 2 (L)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of disorders of integumentary system Demonstrate skill in integumentary assessment Demonstrate skill in medicated bath Prepare and provide health education on skin care	Nursing management of patients with disorders of Integumentary system • Review of anatomy and physiology of skin • Nursing Assessment: History and Physical assessment • Infection and infestations; Dermatitis • Dermatoses; infectious and Non infectious • Acne, Allergies, Eczema & Pemphigus • Psoriasis, Malignant melanoma, Alopecia • Special therapies, alternative therapies • Drugs used in treatment of disorders of integumentary system	• Lecture, discussion • Demonstration • Practice session • Case Discussion	• Drug report • Preparation of Home care plan
X	16 (T) 4 (L)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of musculoskeletal disorders	Nursing management of patients with musculoskeletal problems • Review of Anatomy and physiology of the musculoskeletal system • Nursing Assessment: History and physical assessment, diagnostic tests • Musculoskeletal trauma: Dislocation, fracture, sprain, strain,	• Lecture/ • Discussion • Demonstration • Case Discussion • Health education	• Nursing care plan • Prepare health teaching on care of patient with cast

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Demonstrate skill in musculoskeletal assessment Prepare patient for radiological and non-radiological investigations of musculoskeletal system Demonstrate skill in crutch walking and splinting Demonstrate skill in care of patient with replacement surgeries Prepare and provide health education on bone healing	contusion, amputation • Musculoskeletal infections and tumors: Osteomyelitis, benign and malignant tumour • Orthopedic modalities: Cast, splint, traction, crutch walking • Musculoskeletal inflammation: Bursitis, synovitis, arthritis • Special therapies, alternative therapies • Metabolic bone disorder: Osteoporosis, osteomalacia and Paget's disease • Spinal column defects and deformities – tumor, prolapsed intervertebral disc, Pott's spine • Rehabilitation, prosthesis • Replacement surgeries		
XI	20 (T) 3 (L)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of patients with communicable diseases Demonstrate skill in barrier and reverse barrier techniques Demonstrate skill in execution of different isolation protocols	Nursing management of patients with Communicable diseases • Overview of infectious diseases, the infectious process • Nursing Assessment: History and Physical assessment, Diagnostic tests • Tuberculosis • Diarrhoeal diseases, hepatitis A-E, Typhoid • Herpes, chickenpox, Smallpox, Measles, Mumps, Influenza • Meningitis • Gas gangrene • Leprosy • Dengue, Plague, Malaria, Chikungunya, swine flu, Filariasis • Diphtheria, Pertussis, Tetanus, Poliomyelitis • COVID-19 • Special infection control measures: Notification, Isolation, Quarantine, Immunization	• Lecture, discussion, demonstration • Practice session • Case Discussion/ seminar • Health education • Drug Book/ presentation • Refer TB Control & Management module	• Prepares and submits protocol on various isolation techniques

CLINICAL PRACTICUM

CLINICAL PRACTICUM: 6 Credits (480 hours) - 18 weeks × 27 hours

PRACTICE COMPETENCIES: On completion of the clinical practicum, the students will be able to apply nursing process and critical thinking in delivering holistic nursing care including rehabilitation to the adult patients undergoing surgery, with shock and fluid and electrolyte imbalance and with selected medical & surgical conditions i.e., Gastrointestinal, Respiratory, Endocrine, Orthopedic, Dermatology and Cardiovascular disorders.

The students will be competent to:

1. Utilize the nursing process in providing care to the sick adults in the hospital:
 - a. Perform complete health assessment to establish a data base for providing quality patient care.
 - b. Integrate the knowledge of diagnostic tests in the process of data collection.
 - c. Identify nursing diagnoses and list them according to priority.
 - d. Formulate nursing care plan, using problem solving approach.
 - e. Apply scientific principles while giving nursing care to patients.
 - f. Perform nursing procedures skillfully on patients.
 - g. Establish/develop interpersonal relationship with patients and family members.
 - h. Evaluate the expected outcomes and modify the plan according to the patient needs.
2. Provide comfort and safety to adult patients in the hospital.
3. Maintain safe environment for patients during hospitalization.
4. Explain nursing actions appropriately to the patients and family members.
5. Ensure patient safety while providing nursing procedures.
6. Assess the educational needs of the patient and their family related to medical and surgical disorders and provide appropriate health education to patients.
7. Provide pre, intra and post-operative care to patients undergoing surgery.
8. Integrate knowledge of pathology, nutrition and pharmacology for patients experiencing various medical and surgical disorders.
9. Integrate evidence-based information while giving nursing care to patients.
10. Demonstrate the awareness of legal and ethical issues in nursing practice.

I. NURSING MANAGEMENT OF PATIENTS WITH MEDICAL CONDITIONS

A. Skill Lab

Use of manikins and simulators

- Intravenous therapy
- Oxygen through mask
- Oxygen through nasal prongs
- Venturi mask
- Nebulization
- Chest physiotherapy

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
General medical	4	Develop skill in intravenous injection administration and IV therapy	• Intravenous therapy ○ IV cannulation ○ IV maintenance and monitoring ○ Administration of IV medication	• Care Study – 1 • Health education • Clinical presentation/ Care	• Clinical evaluation • OSCE • Care Study

		Assist with diagnostic procedures Develop skill in the management of patients with Respiratory problems Develop skill in managing patients with metabolic abnormality	• Care of patient with Central line • Preparation and assisting and monitoring of patients undergoing diagnostic procedures such as thoracentesis, Abdominal paracentesis <i>Management patients with respiratory problems</i> • Administration of oxygen through mask, nasal prongs, venturi mask • Pulse oximetry • Nebulization • Chest physiotherapy • Postural drainage • Oropharyngeal suctioning • Care of patient with chest drainage • Diet Planning ○ High Protein diet ○ Diabetic diet • Insulin administration • Monitoring GRBS	note) – 1	evaluation • Care Note/ Clinical presentation
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II. **NURSING MANAGEMENT OF PATIENTS WITH SURGICAL CONDITIONS**

A. Skill Lab

Use of manikins and simulators

- Nasogastric aspiration
- Surgical dressing
- Suture removal
- Colostomy care/ileostomy care
- Enteral feeding

B. Clinical Postings

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
General surgical wards	4	Develop skill in caring for patients during pre- and post- operative period Assist with diagnostic procedures Develop skill in managing patient with Gastro-intestinal Problems	• Pre-Operative care • Immediate Post-operative care • Post-operative exercise • Pain assessment • Pain Management • Assisting diagnostic procedure and after care of patients undergoing ○ Colonoscopy ○ ERCP ○ Endoscopy ○ Liver Biopsy	• Care study – 1 • Health teaching	• Clinical evaluation, OSCE • Care study • Care note/ Clinical presentation

		Develop skill in wound management	• Nasogastric aspiration • Gastrostomy/Jejunostomy feeds • Ileostomy/Colostomy care • Surgical dressing • Suture removal • Surgical soak • Sitz bath • Care of drain		
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III. **NURSING MANAGEMENT OF PATIENTS WITH CARDIAC CONDITIONS**

A. Skill Lab

Use of manikins and simulators

- Cardiovascular assessment
- Interpreting ECG
- BLS/BCLS
- CPR
- ABG analysis
- Taking blood sample
- Arterial blood gas analysis – interpretation

B. Clinical Postings

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Cardiology wards	2	Develop skill in management of patients with cardiac problems Develop skill in management of patients with disorders of Blood	• Cardiac monitoring • Recording and interpreting ECG • Arterial blood gas analysis – interpretation • Administer cardiac drugs • Preparation and after care of patients for cardiac catheterization • CPR • Collection of blood sample for: ○ Blood grouping/cross matching ○ Blood sugar ○ Serum electrolytes • Assisting with blood transfusion • Assisting for bone marrow aspiration • Application of anti-embolism stockings (TED hose) • Application/maintenance of sequential Compression device	• Cardiac assessment – 1 • Drug presentation – 1	• Clinical evaluation • Drug presentation

IV. **NURSING MANAGEMENT OF PATIENTS WITH DISORDERS OF INTEGUMENTARY SYSTEM**

A. Skill Lab

Use of manikins and simulators

Application of topical medication

B. Clinical Postings

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Dermatology wards	1	Develop skill in management of patients with disorders of integumentary system	- Intradermal injection-Skin allergy testing - Application of topical medication - Medicated bath		Clinical evaluation

V. **NURSING MANAGEMENT OF PATIENTS WITH COMMUNICABLE DISEASES**

A. Skill Lab

- Barrier Nursing
- Reverse Barrier Nursing
- Standard precautions

B. Clinical Postings

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Isolation ward	1	Develop skill in the management of patients requiring isolation	- Barrier Nursing - Reverse barrier nursing - Standard precautions (Universal precaution), use of PPE, needle stick and sharp injury prevention, Cleaning and disinfection, Respiratory hygiene, waste disposal and safe injection practices)	Care Note – 1	- Clinical evaluation - Care note

VI. **NURSING MANAGEMENT OF PATIENTS WITH MUSCULOSKELETAL PROBLEMS**

A. Skill Lab

Use of manikins and simulators

- Range of motion exercises
- Muscle strengthening exercises
- Crutch walking

B. Clinical Postings

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Orthopedic wards	2	Develop skill in management of patients with musculoskeletal problems	- Preparation of patient with Myelogram/CT/MRI - Assisting with application & removal of POP/Cast - Preparation, assisting and after care of patient with Skin	Care Note – 1	- Clinical evaluation, - Care note

			traction/skeletal traction • Care of orthotics • Muscle strengthening exercises • Crutch walking • Rehabilitation		
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VII. **NURSING MANAGEMENT OF PATIENTS IN THE OPERATING ROOMS**

A. Skill Lab

Use of manikins and simulators

- Scrubbing, gowning and gloving
- Orient to instruments for common surgeries
- Orient to suture materials
- Positioning

B. Clinical Postings

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Operation theatre	4	Develop skill in caring for intraoperative patients	• Position and draping • Preparation of operation table • Set up of trolley with instrument • Assisting in major and minor operation • Disinfection and sterilization of equipment • Scrubbing procedures – Gowning, masking and gloving • Intra operative monitoring	• Assist as circulatory nurse – 4 • Positioning & draping – 5 • Assist as scrub nurse in major surgeries – 4 • Assist as scrub nurse in minor surgeries – 4	• Clinical evaluation • OSCE

PHARMACOLOGY - II

including Fundamentals of Prescribing Module

PLACEMENT: IV SEMESTER

THEORY: 3 Credits (60 hours)

DESCRIPTION: This course is designed to enable students to acquire understanding of Pharmacodynamics, Pharmacokinetics, principles of therapeutics & nursing implications. Further it develops understanding of fundamental principles of prescribing in students.

COMPETENCIES: On completion of the course, the students will be able to

1. Explain the drugs used in the treatment of ear, nose, throat and eye disorders.
2. Explain the drugs used in the treatment of urinary system disorders.
3. Describe the drugs used in the treatment of nervous system disorders.
4. Explain the drugs used for hormonal replacement and for the pregnant women during antenatal, intra natal and postnatal period.
5. Explain the drugs used to treat emergency conditions and immune disorders.
6. Discuss the role and responsibilities of nurses towards safe administration of drugs used to treat disorders of various systems with basic understanding of pharmacology.
7. Demonstrate understanding about the drugs used in alternative system of medicine.

8. Demonstrate understanding about the fundamental principles of prescribing.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	4 (T)	Describe drugs used in disorders of ear, nose, throat and eye and nurses' responsibilities	Drugs used in disorders of ear, nose, throat & Eye - Antihistamines - Topical applications for eye (Chloramphenicol, Gentamycin eye drops), ear (Soda glycerin, boric spirit ear drops), nose and buccal cavity-chlorhexidine mouthwash - Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type
II	4 (T)	Describe drugs acting on urinary system & nurse's responsibilities	Drugs used on urinary system - Pharmacology of commonly used drugs - Renin angiotensin system - Diuretics and antidiuretics - Drugs toxic to kidney - Urinary antiseptics - Treatment of UTI – acidifiers and alkalinizers - Composition, action, dosage, route, indications, contraindications, Drug interactions, side effects, adverse effects toxicity and role of nurse	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type
III	10 (T)	Describe drugs used on nervous system & nurse's responsibilities	Drugs acting on nervous system - Basis & applied pharmacology of commonly used drugs - Analgesics and anaesthetics - Analgesics: Non-steroidal anti-inflammatory (NSAID) drugs - Antipyretics - Opioids & other central analgesics - General (techniques of GA, pre anesthetic medication) & local anesthetics - Gases: oxygen, nitrous, oxide, carbon-dioxide & others - Hypnotics and sedatives - Skeletal muscle relaxants - Antipsychotics - Mood stabilizers	- Lecture cum Discussion - Drug study/ presentation	- Short answer - Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Antidepressants • Antianxiety Drugs • Anticonvulsants • Drugs for neurodegenerative disorders & miscellaneous drugs • Stimulants, ethyl alcohol and treatment of methyl alcohol poisoning • Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects toxicity and role of nurse		
IV	5 (T)	Describe drugs used for hormonal disorder & supplementation, contraception & medical termination of pregnancy & nurse's responsibilities	Drugs used for hormonal, disorders and supplementation, contraception and medical termination of pregnancy • Estrogens and progesterones ○ Oral contraceptives and hormone replacement therapy • Vaginal contraceptives • Drugs for infertility and medical termination of pregnancy ○ Uterine stimulants and relaxants • Composition, actions dosage route indications contraindications, drugs interactions, side effects, adverse effects, toxicity and role of nurse	• Lecture cum Discussion • Drug study/ presentation	• Short answer • Objective type
V	3 (T)	Develop understanding about important drugs used for women before, during and after labour	Drugs used for pregnant women during antenatal, labour and postnatal period • Tetanus prophylaxis • Iron and Vit K1 supplementation • Oxytocin, Misoprostol • Ergometrine • Methyl prostaglandin F2-alpha • Magnesium sulphate • Calcium gluconate	• Lecture cum Discussion • Drug study/ presentation	• Short answer • Objective type
VI	10 (T)	Describe drugs used in deaddiction, emergency, poisoning, vitamins & minerals supplementation, drugs used for immunization & immune-suppression & nurse's responsibilities	Miscellaneous • Drugs used for deaddiction • Drugs used in CPR and emergency- adrenaline, Chlorpheniramine, hydrocortisone, Dexamethasone • IV fluids & electrolytes replacement • Common poisons, drugs used for treatment of poisoning ○ Activated charcoal	• Lecture cum Discussion • Drug study/ presentation	• Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			○ Ipecac ○ Antidotes, ○ Anti-snake venom (ASV) • Vitamins and minerals supplementation • Vaccines & sera (Universal immunization program schedules) • Anticancer drugs: Chemotherapeutic drugs commonly used • Immuno-suppressants and Immunostimulants		
VII	4 (T)	Demonstrate awareness of common drugs used in alternative system of medicine	Introduction to drugs used in alternative systems of medicine • Ayurveda, Homeopathy, Unani and Siddha etc. • Drugs used for common ailments	• Lecture cum Discussion • Observational visit	• Short answer • Objective type
VIII	20 (T)	Demonstrate understanding about fundamental principles of prescribing	Fundamental principles of prescribing • Prescriptive role of nurse practitioners: Introduction • Legal and ethical issues related to prescribing • Principles of prescribing • Steps of prescribing • Prescribing competencies	• Completion of module on Fundamental principles of prescribing	• Short answer • Assignments evaluation

PATHOLOGY - II AND GENETICS

PLACEMENT: IV SEMESTER

THEORY: 1 Credit (20 hours) (Includes lab hours also)

DESCRIPTION: This course is designed to enable students to acquire knowledge of pathology of various disease conditions, understanding of genetics, its role in causation and management of defects and diseases and to apply this knowledge in practice of nursing.

COMPETENCIES: On completion of the course, the students will be able to

1. Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology
2. Rationalize the various laboratory investigations in diagnosing pathological disorders
3. Demonstrate the understanding of the methods of collection of blood, body cavity fluids, urine and feces for various tests
4. Apply the knowledge of genetics in understanding the various pathological disorders
5. Appreciate the various manifestations in patients with diagnosed genetic abnormalities
6. Rationalize the specific diagnostic tests in the detection of genetic abnormalities.
7. Demonstrate the understanding of various services related to genetics.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	5 (T)	Explain pathological changes in disease conditions of various systems	Special Pathology: Pathological changes in disease conditions of selected systems 1. Kidneys and Urinary tract - Glomerulonephritis - Pyelonephritis - Renal calculi - Cystitis - Renal Cell Carcinoma - Renal Failure (Acute and Chronic) 2. Male genital systems - Cryptorchidism - Testicular atrophy - Prostatic hyperplasia - Carcinoma penis and Prostate. 3. Female genital system - Carcinoma cervix - Carcinoma of endometrium - Uterine fibroids - Vesicular mole and Choriocarcinoma - Ovarian cyst and tumors 4. Breast - Fibrocystic changes - Fibroadenoma - Carcinoma of the Breast 5. Central nervous system - Meningitis. - Encephalitis - Stroke - Tumors of CNS	- Lecture - Discussion - Explain using slides, X-rays and scans - Visit to pathology lab, endoscopy unit and OT	- Short answer - Objective type
II	5 (T)	Describe the laboratory tests for examination of body cavity fluids, urine and faeces	Clinical Pathology - Examination of body cavity fluids: - Methods of collection and examination of CSF and other body cavity fluids (sputum, wound discharge) specimen for various clinical pathology, biochemistry and microbiology tests	- Lecture - Discussion - Visit to clinical lab and biochemistry lab	- Short answer - Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Analysis of semen: ○ Sperm count, motility and morphology and their importance in infertility • Urine: ○ Physical characteristics, Analysis, Culture and Sensitivity • Faeces: ○ Characteristics ○ Stool examination: Occult blood, Ova, Parasite and Cyst, Reducing substance etc. ○ Methods and collection of urine and faeces for various tests		

GENETICS
COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	2 (T)	Explain nature, principles and perspectives of heredity	Introduction: • Practical application of genetics in nursing • Impact of genetic condition on families • Review of cellular division: mitosis and meiosis • Characteristics and structure of genes • Chromosomes: sex determination • Chromosomal aberrations • Patterns of inheritance • Mendelian theory of inheritance • Multiple allots and blood groups • Sex linked inheritance • Mechanism of inheritance • Errors in transmission (mutation)	• Lecture • Discussion • Explain using slides	• Short answer • Objective type
II	2 (T)	Explain maternal, prenatal and genetic influences on development of defects and diseases	Maternal, prenatal and genetic influences on development of defects and diseases • Conditions affecting the mother: genetic and infections • Consanguinity atopy • Prenatal nutrition and food allergies • Maternal age	• Lecture • Discussion • Explain using slides	• Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Maternal drug therapy • Prenatal testing and diagnosis • Effect of Radiation, drugs and chemicals • Infertility • Spontaneous abortion • Neural Tube Defects and the role of folic acid in lowering the risks • Down syndrome (Trisomy 21)		
III	2 (T)	Explain the screening methods for genetic defects and diseases in neonates and children	Genetic testing in the neonates and children • Screening for ◦ Congenital abnormalities ◦ Developmental delay ◦ Dysmorphism	• Lecture • Discussion • Explain using slides	• Short answer • Objective type
IV	2 (T)	Identify genetic disorders in adolescents and adults	Genetic conditions of adolescents and adults • Cancer genetics: Familial cancer • Inborn errors of metabolism • Blood group alleles and hematological disorder • Genetic haemochromatosis • Huntington's disease • Mental illness	• Lecture • Discussion • Explain using slides	• Short answer • Objective type
V	2 (T)	Describe the role of nurse in genetic services and counselling	Services related to genetics • Genetic testing • Gene therapy • Genetic counseling • Legal and Ethical issues • Role of nurse	• Lecture • Discussion	• Short answer • Objective type

ADULT HEALTH NURSING - II WITH INTEGRATED PATHOPHYSIOLOGY including Geriatric Nursing AND PALLIATIVE CARE MODULE

PLACEMENT: IV SEMESTER

THEORY: 7 Credits (140 hours)

PRACTICUM: Lab/Skill Lab (SL): 1 Credit (40 hours) Clinical: 6 Credits (480 hours)

DESCRIPTION: This course is designed to equip the students to review and apply their knowledge of Anatomy, Physiology, Biochemistry and Behavioral sciences in caring for adult patients with Medical/Surgical disorders using nursing process approach. It also intends to develop competencies required for assessment, diagnosis, treatment, nursing management, and supportive/palliative and rehabilitative care to adult patients with various Medical Surgical disorders.

COMPETENCIES: On completion of the course the students will apply nursing process and critical thinking in delivering holistic nursing care with selected Medical and Surgical conditions.

At the completion of Adult Health Nursing II course, students will

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments and complications of selected common medical and surgical disorders.
2. Perform complete health assessment to establish a data base for providing quality patient care and integrate the knowledge of diagnostic tests in the process of data collection.
3. Identify diagnoses, list them according to priority and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of anatomy, physiology, pathology, nutrition and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.
7. Demonstrate skill in assisting/performing diagnostic and therapeutic procedures.
8. Demonstrate competencies/skills to patients undergoing treatment for medical surgical disorders.
9. Identify the drugs used in treating patients with selected medical surgical conditions.
10. Plan and provide relevant individual and group education on significant medical surgical topics.
11. Maintain safe environment for patients and the health care personnel in the hospital.

COURSE OUTLINE

T – Theory, L/SL – Lab/Skill Lab

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	12 (T) 4 (SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and medical, surgical, nutritional and nursing management of patients with ENT disorders	Nursing management of patient with disorders of Ear, Nose and Throat (Includes etiology, pathophysiology, clinical manifestations, diagnostic measures and medical, surgical, nutritional and nursing management) • Review of anatomy and physiology of the ear, nose and throat • History, physical assessment, and diagnostic tests • Ear ○ External ear: deformities otalgia, foreign bodies and tumors ○ Middle ear: impacted wax, tympanic, membrane perforation, otitis media, and tumors ○ Inner ear: Meniere's disease, labyrinthitis, ototoxicity tumors • Upper respiratory airway infections: Rhinitis, sinusitis, tonsillitis, laryngitis • Epistaxis, Nasal obstruction, laryngeal obstruction • Deafness and its management	• Lecture and discussion • Demonstration of hearing aids, nasal packing, medication administration • Visit to audiology and speech clinic	• MCQ • Short answer • Essay • OSCE • Assessment of skill (using checklist) • Quiz • Drug book

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
II	12 (T) 4 (SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye Describe eye donation, banking and transplantation	Nursing management of patient with disorder of eye - Review of anatomy and physiology of the eye - History, physical assessment, diagnostic assessment Eye Disorders - Refractive errors - Eyelids: infection, deformities - Conjunctiva: inflammation and infection bleeding - Cornea: inflammation and infection - Lens: cataract - Glaucoma - Retinal detachment - Blindness - Eye donation, banking and transplantation	- Lecture and discussion - Demonstration of visual aids, lens, medication administration - Visit to eye bank	- MCQ - Short Essay - OSCE - Drug book
III	15 (T) 4 (L/SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of Kidney and urinary system disorders Demonstrate skill in genitourinary assessment Prepare patient for genitourinary investigations Prepare and provide health education on prevention of renal calculi	Nursing management of patient with Kidney and Urinary problems - Review of Anatomy and physiology of the genitourinary system - History, physical assessment, diagnostic tests - Urinary tract infections: acute, chronic, lower, upper - Nephritis, nephrotic syndrome - Renal calculi - Acute and chronic renal failure - Disorders of ureter, urinary bladder and Urethra - Disorders of prostate: inflammation, infection, stricture, obstruction, and Benign Prostate Hypertrophy	- Lecture cum Discussion - Demonstration - Case Discussion - Health education - Drug book - Field visit – Visits hemodialysis unit	- MCQ - Short Note - Long essay - Case report - Submits health teaching on prevention of urinary calculi
IV	6 (T)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of male reproductive disorders	Nursing management of disorders of male reproductive system - Review of Anatomy and physiology of the male reproductive system - History, Physical Assessment, Diagnostic tests - Infections of testis, penis and adjacent structures: Phimosi s, Epididymitis, and	- Lecture, Discussion - Case Discussion - Health education	Short essay

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			Orchitis - Sexual dysfunction, infertility, contraception - Male Breast Disorders: gynecomastia, tumor, climacteric changes		
V	10 (T) 4 (SL)	Explain the etiology, pathophysiology, clinical manifestations, types, diagnostic measures and management of patients with disorders of burns/cosmetic surgeries and its significance	Nursing management of patient with burns, reconstructive and cosmetic surgery - Review of anatomy and physiology of the skin and connective tissues - History, physical assessment, assessment of burns and fluid & electrolyte loss - Burns - Reconstructive and cosmetic surgery for burns, congenital deformities, injuries and cosmetic purposes, gender reassignment - Legal and ethical aspects - Special therapies: LAD, vacuumed dressing. Laser, liposuction, skin health rejuvenation, use of derma filters	- Lecture and discussion - Demonstration of burn wound assessment, vacuum dressing and fluid calculations - Visit to burn rehabilitation centers	- OSCE - Short notes
VI	16 (T) 4 (L/SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with neurological disorders	Nursing management of patient with neurological disorders - Review of anatomy and physiology of the neurological system - History, physical and neurological assessment, diagnostic tests - Headache, Head injuries - Spinal injuries: Paraplegia, Hemiplegia, Quadriplegia - Spinal cord compression: herniation of in vertebral disc - Intra cranial and cerebral aneurysms - Meningitis, encephalitis, brain, abscess, neuro-cysticercosis - Movement disorders: Chorea, Seizures & Epilepsies - Cerebrovascular disorders: CVA - Cranial, spinal neuropathies: Bell's palsy, trigeminal neuralgia - Peripheral Neuropathies - Degenerative diseases: Alzheimer's disease, Parkinson's disease - Guillain-Barré syndrome, Myasthenia gravis & Multiple sclerosis	- Lecture and discussion - Demonstration of physiotherapy, neuro assessment, tracheostomy care - Visit to rehabilitation center, long term care clinics, EEG, NCV study unit,	- OSCE - Short notes - Essay - Drug book

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			Rehabilitation of patient with neurological deficit		
VII	12 (T) 4 (L/SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of immunological disorders Prepare and provides health education on prevention of HIV infection and rehabilitation Describe the national infection control programs	Nursing management of patients with Immunological problems - Review of Immune system - Nursing Assessment: History and Physical assessment - HIV & AIDS: Epidemiology, Transmission, Prevention of Transmission and management of HIV/AIDS - Role of Nurse; Counseling, Health education and home care consideration and rehabilitation - National AIDS Control Program – NACO, various national and international agencies for infection control	- Lecture, discussion - Case Discussion/ seminar - Refer Module on HIV/AIDS	
VIII	12 (T) 4 (L/SL)	Explain the etiology, pathophysiology, types, clinical manifestations, staging, diagnostic measures and management of patients with different cancer, treatment modalities including newer treatments	Nursing management of patient with Oncological conditions - Structure and characteristics of normal and cancer cells - History, physically assessment, diagnostic tests - Prevention screening early detections warning sign of cancer - Epidemiology, etiology classification, Pathophysiology, staging clinical manifestations, diagnosis, treatment modalities and medical and surgical nursing management of Oncological condition - Common malignancies of various body system eye, ear, nose, larynx, breast, cervix, ovary, uterus, sarcoma, renal, bladder, kidney, prostate Brain, Spinal cord. - Oncological emergencies - Modalities of treatment: Chemotherapy, Radiotherapy: Radiation safety, AERB regulations, Surgical intervention, Stem cell and bone marrow transplant, Immunotherapy, Gene therapy - Psychological aspects of cancer: anxiety, depression, insomnia, anger - Supportive care - Hospice care	- Lecture and discussion - Demonstration of chemotherapy preparation and administration - Visit to BMT, radiotherapy units (linear accelerator, brachytherapy, etc.), nuclear medicine unit	- OSCE - Essay - Quiz - Drug book - Counseling, health teaching
				Completion of palliative care	

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
				module during clinical hours (20 hours)	
IX	15 (T) 4 (L/SL)	Explain the types, policies, guidelines, prevention and management of disaster and the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with acute emergencies	Nursing management of patient in Emergency and Disaster situations Disaster Nursing • Concept and principles of disaster nursing, Related Policies • Types of disaster: Natural and manmade • Disaster preparedness: Team, guidelines, protocols, equipment, resources • Etiology, classification, Pathophysiology, staging, clinical manifestation, diagnosis, treatment modalities and medical and surgical nursing management of patient with medical and surgical emergencies – Poly trauma, Bites, Poisoning and Thermal emergencies • Principles of emergency management • Medico legal aspects	• Lecture and discussion • Demonstration of disaster preparedness (Mock drill) and triaging • Filed visit to local disaster management centers or demo by fire extinguishers • Group presentation (role play, skit, concept mapping) on different emergency care • Refer Trauma care management/ ATCN module • Guided reading on National Disaster Management Authority (NDMA) guidelines	• OSCE • Case presentations and case study
X	10 (T)	Explain the Concept, physiological changes, and psychosocial problems of ageing Describe the nursing management of the elderly	Nursing care of the elderly • History and physical assessment • Aging process and age-related body changes and psychosocial aspects • Stress and coping in elder patient • Psychosocial and sexual abuse of elderly • Role of family and formal and non-formal caregivers • Use of aids and prosthesis (hearing aids, dentures) • Legal and ethical issues • National programs for elderly, privileges, community programs and health services • Home and institutional care	• Lecture and discussion • Demonstration of communication with visual and hearing impaired • Field visit to old age homes	• OSCE • Case presentations • Assignment on family systems of India focusing on geriatric population
XI	15 (T) 8 (L/SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients in critical care units	Nursing management of patients in critical Care units • Principles of critical care nursing • Organization: physical set-up, policies, staffing norms • Protocols, equipment and supplies	• Lecture and discussion • Demonstration on the use of mechanical ventilators, cardiac monitors etc. • Clinical practice in	• Objective type • Short notes • Case presentations • Assessment of skill on monitoring of

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Use and application of critical care biomedical equipment: ventilators, cardiac monitors, defibrillators, infusion pump, Resuscitation equipment and any other • Advanced Cardiac Life support • Nursing management of critically ill patient • Transitional care • Ethical and Legal Aspects • Breaking Bad News to Patients and/or their families: Communication with patient and family • End of life care	different ICUs	patients in ICU. • Written assignment on ethical and legal issues in critical care
XII	5 (T)	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with occupational/ industrial health disorders	Nursing management of patients occupational and industrial disorders • History, physical examination, Diagnostic tests • Occupational diseases and management	• Lecture and discussion • Industrial visit	• Assignment on industrial health hazards

CLINICAL PRACTICUM

CLINICAL PRACTICUM: 6 Credits (480 Hours) – 20 weeks × 24 hours

PRACTICE COMPETENCIES: On completion of the clinical practicum, the students will develop proficiency in applying nursing process and critical thinking in rendering holistic nursing care including rehabilitation to the adult/geriatric patients admitted in Critical Care Units, undergoing cosmetic and reconstructive surgery and with selected medical & surgical disorders of ear, nose, throat, eye, Genitourinary, reproductive, immunologic, nervous systems and in emergency/disaster conditions.

The students will be competent to

- Utilize the nursing process in providing care to the sick adults in the hospital
 - Perform complete health assessment to establish a data base for providing quality patient care.
 - Integrate the knowledge of diagnostic tests in patient assignment.
 - Identify nursing diagnoses and list them according to priority.
 - Formulate nursing care plan, using problem solving approach.
 - Apply scientific principles while giving nursing care to patients.
 - Develop skill in performing nursing procedures applying scientific principle.
 - Establish/develop interpersonal relationship with patients and family members.
 - Evaluate the expected outcomes and modify the plan according to the patient needs.
- Provide comfort and safety to adult patients in the hospital.
- Maintain safe environment for patients during hospitalization.
- Explain nursing actions appropriately to the patients and family members.
- Ensure patient safety while providing nursing procedures.
- Assess the educational needs of the patient and their family related to medical and surgical disorders and provide appropriate health education to patients.

7. Provide pre, intra and post-operative care to patients undergoing surgery.
8. Integrate knowledge of pathology, nutrition and pharmacology for patients experiencing selected medical and surgical disorders.
9. Integrate evidence-based information while giving nursing care to patients.
10. Demonstrate the awareness of legal and ethical issues in nursing practice.

I. Nursing Management of Patients with ENT Disorders

A. Skill Lab

Use of manikins and simulators

- Tracheostomy care
- Instilling Ear and Nasal medications
- Bandage application

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
ENT Ward and OPD	2	Provide care to patients with ENT disorders Educate the patients and their families	• Examination of ear, nose, throat and History taking • Applying bandages to Ear, Nose • Tracheostomy care • Preparation of patient, assisting and monitoring of patients undergoing diagnostic procedures ○ Auditory screening tests ○ Audiometric tests • Preparing the patient and assisting in special procedures like Anterior/ posterior nasal packing, Ear Packing and Syringing • Preparation and after care of patients undergoing ENT surgical procedures • Instillation of drops/medication	• ENT assessment –1 • Case study/ Clinical presentation – 1	• Clinical evaluation • OSCE • Case report study/ Clinical presentation

II. Nursing Management of Patients with Eye Conditions

A. Skill Lab

Use of manikins and simulators

- Instilling Eye medications
- Eye irrigation
- Eye bandage

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Ophthalmology unit	2	Develop skill in providing care to patients with Eye disorders Educate the patients and	• History taking, Examination of eyes and interpretation • Assisting procedures ○ Visual acuity ○ Fundoscopy, retinoscopy, ophthalmoscopy, tonometry, ○ Refraction tests	• Eye assessment – 1 • Health teaching • Case study/ Clinical Presentation– 1	• Clinical evaluation • OSCE • Clinical presentation

		their families	• Pre and post-operative care • Instillation of drops/ medication • Eye irrigation • Application of eye bandage • Assisting with foreign body removal		
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III. Nursing Management of Patients with Kidney and Urinary System Disorders

A. Skill Lab

Use of manikins and simulators

- Assessment: kidney & urinary system
- Preparation: dialysis
- Catheterization and care

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Renal ward/ nephrology ward including Dialysis unit	2	Develop skill in Management of patients with urinary, male reproductive problems	• Assessment of kidney and urinary system ○ History taking ○ Physical examination ○ Testicular self-examination ○ digital rectal exam • Preparation and assisting with diagnostic and therapeutic procedures ○ Cystoscopy, Cystometrogram, ○ Contrast studies: IVP etc. ○ Peritoneal dialysis ○ Hemodialysis, ○ Lithotripsy ○ Specific tests: Semen analysis, gonorrhoea test, Renal/ Prostate Biopsy etc. • Catheterization: care • Bladder irrigation • I/O recording and monitoring • Ambulation and exercise	• Assessment – 1 • Drug presentation – 1 • Care study/ Clinical presentation – 1 • Preparing and assisting in hemodialysis	• Clinical evaluation • Care plan • OSCE • Quiz • Drug presentation

IV. Nursing Management of Patients with Burns and Reconstructive Surgery

A. Skill Lab

Use of manikins and simulators

- Assessment of burns wound
- Wound dressing

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Burns unit/ reconstructive surgical unit	2	Develop skill in burns assessment and providing care to patients with different types of burns Develop skill in providing care to patients with different types of cosmetic and reconstructive surgeries	- Assessment of burns - First aid of burns - Fluid & electrolyte replacement therapy - Skin care - Care of Burn wounds - Bathing - Dressing - Pre-operative and post-operative care of patients - Caring of skin graft and post cosmetic surgery - Rehabilitation	- burn wound assessment – 1 - care study/case presentation – 1	- Clinical evaluation, - Care study/case report

V. Nursing Management of Patients with neurological disorders**A. Skill Lab****Use of manikins and simulators**

- Range of motion exercises
- Muscle strengthening exercises
- Crutch walking

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Neurology-medical/ Surgery wards	3	Develop skill in Management of patients with Neurological problems	- History taking; Neurological Examination - Patient monitoring - Prepare and assist for various invasive and non-invasive diagnostic procedures - Range of motion exercises, muscle strengthening - Care of medical, surgical and rehabilitative patients	- neuro- assessment –1 - Case study/ case presentation – 1 - Drug presentation – 1	- Clinical evaluation - Neuro assessment - OSCE - Case report/ presentations

VI. Nursing Management of Patients with Immunological Disorders**A. Skill Lab**

- Barrier Nursing
- Reverse Barrier Nursing

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Isolation ward/ Medical ward	1	Develop skill in the Management of patients with immunological disorders	- History taking - Immunological status assessment (e.g. HIV) and Interpretation of specific tests - Caring of patients with low immunity - Practicing of standard safety measures, precautions/barrier nursing/reverse barrier/isolation skills	- Assessment of immune status - Teaching of isolation to patient and family care givers - Nutritional management - Care Note – 1	- Care note - Quiz - Health Teaching

VII. Nursing Management of Patients with disorders of Oncological conditions**A. Skill Lab****Use of manikins and simulators**

- Application of topical medication
- Administration of chemotherapy

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Oncology wards (including day care radiotherapy unit)	3	Develop skill in providing care to patients with oncological disorders	- History taking & physical examination of cancer patients - Screening for common cancers: TNM classification - Preparation, assisting and after care patients undergoing diagnostic procedures – Biopsies/FNAC – Pap smear – Bone-marrow aspiration - Various modalities of treatment – Chemotherapy – Radiotherapy – Pain management – Stoma therapy – Hormonal therapy – Immuno therapy – Gene therapy – Alternative therapy - Stoma care and feeding - Caring of patients treated with nuclear medicine - Rehabilitation	- Assessment – 1 - Care study/ clinical presentation – 1 - Pre and post-operative care of patient with various modes of cancer treatment - Teaching on BSE to family members - Visit to palliative care unit	- Clinical evaluation - Care study - Quiz - Drug book

VIII. Nursing Management of Patients in emergency conditions

A. Skill Lab

Use of manikins and simulators

- Assessment: primary and secondary survey
- Trauma care: bandaging, wound care, splinting, positions

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Emergency room/ Emergency unit	2	Develop skill in providing care to patients with emergency health problems	• Practicing 'triage' • Primary and secondary survey in emergency • Examination, investigations & their interpretations, in emergency & disaster situations • Emergency care of medical and traumatic injury patients • Documentations, assisting in legal procedures in emergency unit • Managing crowd • Counseling the patient and family in dealing with grieving & bereavement	• Triage • Immediate care • Use of emergency trolley	• Clinical evaluation • Quiz

IX. Nursing Management of geriatric patients

A. Skill Lab

Use of manikins and simulators

- Use of assistive safety devices

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Geriatric ward	1	Develops skill in geriatric assessment and providing care to patients with geriatric illness	• History taking and assessment of Geriatric patient	• Geriatric assessment – 1 • Care of normal and geriatric patient with illness • Fall risk assessment – 1 • Functional status assessment – 1	• Clinical evaluation • Care plan

X. Nursing Management of Patients in critical care units

A. Skill Lab

Use of manikins and simulators

- Assessment critically ill
- ET tube set up –suction
- TT suction
- Ventilator set up
- Chest drainage
- Bag mask ventilation

- Central & Peripheral line
- Pacemaker

B. Clinical Postings

Clinical area/unit	Duration (weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Critical Care Unit	2	Develop skill in assessment of critically ill and providing care to patients with critical health conditions	• Assessment of critically ill patients • Assisting in arterial puncture, ET tube intubation & extubation • ABG analysis & interpretation - respiratory acidosis, respiratory alkalosis, metabolic acidosis, metabolic alkalosis • Setting up of Ventilator modes and settings and care of patient on a ventilator • Set up of trolley with instruments • Monitoring and maintenance of Chest drainage system • Bag and mask ventilation • Assisting and maintenance of Central and peripheral lines invasive • Setting up of infusion pump, defibrillator, • Drug administration-infusion, intracardiac, intrathecal, epidural, • Monitoring pacemaker • ICU care bundle • Management of the dying patient in the ICU	• Hemodynamic monitoring • Different scales used in ICU • Communicating with critically ill patients	• Clinical evaluation • OSCE • RASS scale assessment • Use of VAE bundle VAP, CAUTI, BSI • Case Presentation

PROFESSIONALISM, PROFESSIONAL VALUES & ETHICS INCLUDING BIOETHICS

PLACEMENT: IV SEMESTER

THEORY: 1 Credit (20 hours)

DESCRIPTION: This course is designed to help students to develop an understanding of professionalism and demonstrate professional behavior in their workplace with ethics and professional values. Further the students will be able to identify ethical issues in nursing practice and participate effectively in ethical decision making along with health team members.

COMPETENCIES: On completion of this course, the students will be able to

1. Describe profession and professionalism.
2. Identify the challenges of professionalism.
3. Maintain respectful communication and relationship with other health team members, patients and society.
4. Demonstrate professional conduct.
5. Describe various regulatory bodies and professional organizations related to nursing.
6. Discuss the importance of professional values in patient care.
7. Explain the professional values and demonstrate appropriate professional values in nursing practice.
8. Demonstrate and reflect on the role and responsibilities in providing compassionate care in the healthcare setting.
9. Demonstrate respect, human dignity and privacy and confidentiality to self, patients and their caregivers and other health team members.
10. Advocate for patients' wellbeing, professional growth and advancing the profession.
11. Identify ethical and bioethical concerns, issues and dilemmas in nursing and healthcare.
12. Apply knowledge of ethics and bioethics in ethical decision making along with health team members.
13. Protect and respect patient's rights.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	5 (T)	Discuss nursing as a profession Describe the concepts and attributes of professionalism Identify the challenges of professionalism Maintain respectful communication and relationship with other health team members, patients and society Demonstrate professional conduct Respect and maintain professional boundaries between patients, colleagues and society Describe the roles and responsibilities of regulatory bodies and professional organizations	PROFESSIONALISM Profession • Definition of profession • Criteria of a profession • Nursing as a profession Professionalism • Definition and characteristics of professionalism • Concepts, attributes and indicators of professionalism • <i>Challenges of professionalism</i> ○ Personal identity vs professional identity ○ Preservation of self-integrity: threat to integrity, Deceiving patient: withholding information and falsifying records ○ Communication & Relationship with team members: Respectful and open communication and relationship pertaining to relevant interests for ethical decision making ○ Relationship with patients and society Professional Conduct • Following ethical principles • Adhering to policies, rules and regulation of the institutions • Professional etiquettes and behaviours • Professional grooming: Uniform, Dress code • Professional boundaries: Professional relationship with the patients, caregivers and team members Regulatory Bodies & Professional Organizations: Roles & Responsibilities • <i>Regulatory bodies:</i> Indian Nursing Council, State Nursing Council • <i>Professional Organizations:</i> Trained Nurses Association of India (TNAI), Student Nurses Association (SNA), Nurses League of Christian Medical Association of India, International Council of Nurses (ICN) and International Confederation of Midwives	• Lecture cum Discussion • Debate • Role play • Case based discussion • Lecture cum Discussion • Visit to INC, SNC, TNAI	• Short answer • Essay • Objective type • Visit reports

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
II	5 (T)	Discuss the importance of professional values Distinguish between personal values and professional values Demonstrate appropriate professional values in nursing practice	PROFESSIONAL VALUES • Values: Definition and characteristics of values • Value clarification • Personal and professional values • Professional socialization: Integration of professional values with personal values Professional values in nursing • Importance of professional values in nursing and health care • Caring: definition, and process • Compassion: Sympathy Vs empathy, Altruism • Conscientiousness • Dedication/devotion to work • Respect for the person- Human dignity • Privacy and confidentiality: Incidental disclosure • Honesty and integrity: Truth telling • Trust and credibility: Fidelity, Loyalty • Advocacy: Advocacy for patients, work environment, nursing education and practice, and for advancing the profession	• Lecture cum Discussion • Value clarification exercise • Interactive learning • Story telling • Sharing experiences • Scenario based discussion	• Short answer • Essay • Assessment of student's behavior with patients and families
III	10 (T)	Define ethics & bioethics Explain ethical principles Identify ethical concerns Ethical issues and dilemmas in health care	ETHICS & BIOETHICS Definitions: Ethics, Bioethics and Ethical Principles • Beneficence • Non-maleficence: Patient safety, protecting patient from harm, Reporting errors • Justice: Treating each person as equal • Care without discrimination, equitable access to care and safety of the public • Autonomy: Respects patients' autonomy, Self-determination, Freedom of choice Ethical issues and ethical dilemma: Common ethical problems • Conflict of interest • Paternalism • Deception • Privacy and confidentiality	• Lecture cum discussion • Group discussion with examples • Flipping/ self-directed learning • Role play • Story telling • Sharing experiences • Case based Clinical discussion • Role modeling • Group exercise on ethical decision-making following steps on a given scenario • Assignment	• Short answer • Essay • Quiz • Reflective diary • Case report • Attitude test • Assessment of assignment

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Explain process of ethical decision making and apply knowledge of ethics and bioethics in making ethical decisions Explain code of ethics stipulated by ICN and INC	• Valid consent and refusal • Allocation of scarce nursing resources • Conflicts concerning new technologies • Whistle-blowing • <i>Beginning of life issues</i> ○ Abortion ○ Substance abuse ○ Fetal therapy ○ Selective deduction ○ Intrauterine treatment of fetal conditions ○ Mandated contraception ○ Fetal injury ○ Infertility treatment • <i>End of life issues</i> ○ End of life ○ Euthanasia ○ Do Not Resuscitate (DNR) • <i>Issues related to psychiatric care</i> ○ Non compliance ○ Restrain and seclusion ○ Refuse to take food		

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Discuss the rights of the patients and families to make decisions about health care Protect and respect patients' rights	Process of ethical decision making • Assess the situation (collect information) • Identify the ethical problem • Identify the alternative decisions • Choose the solution to the ethical decision • Implement the decision • Evaluate the decision Ethics committee: Roles and responsibilities • Clinical decision making • Research Code of Ethics • International Council of Nurses (ICN) • Indian Nursing Council Patients' Bill of Rights-17 patients' rights (MoH&FW, GoI) 1. Right to emergency medical care 2. Right to safety and quality care according to standards 3. Right to preserve dignity 4. Right to nondiscrimination 5. Right to privacy and confidentiality 6. Right to information 7. Right to records and reports 8. Right to informed consent 9. Right to second opinion 10. Right to patient education 11. Right to choose alternative treatment options if available 12. Right to choose source for obtaining medicines or tests 13. Right to proper referral and transfer, which is free from perverse commercial influences 14. Right to take discharge of patient or receive body of deceased from hospital 15. Right to information on the rates to be charged by the hospital for each type of service provided and facilities available on a prominent display board and a brochure 16. Right to protection for patients involved in clinical trials, biomedical and health research 17. Right to be heard and seek redressal		

CHILD HEALTH NURSING - I

PLACEMENT: V SEMESTER

THEORY: 3 Credits (60 hours)

PRACTICUM: Lab/Skill Lab: 1 Credit (40 hours) Clinical: 2 Credits (160 hours)

DESCRIPTION: This course is designed for developing an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children.

COMPETENCIES: On completion of the course, the students will be able to

1. Develop understanding of the history and modern concepts of child health and child-care.
2. Explore the national child welfare services, national programs and legislation in the light of National Health Policy 2017.
3. Describe the role of preventive pediatrics and perform preventive measures towards accidents.
4. Participate in national immunization programs/Universal Immunization Program (UIP).
5. Identify the developmental needs of children and provide parental guidance.
6. Describe the principles of child health nursing and perform child health nursing procedures.
7. Demonstrate competencies in newborn assessment, planning and implementation of care to normal and high-risk newborn including neonatal resuscitation.
8. Apply the principles and strategies of Integrated management of neonatal and childhood illness (IMNCI).
9. Apply the knowledge of pathophysiology and provide nursing care to children with respiratory system disorders.
10. Identify and meet childhood emergencies and perform child CPR.

COURSE OUTLINE

T – Theory, L/SL – Lab/Skill Lab

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	10 (T) 10 (L)	Explain the modern concept of child-care Describe National policy, programs and legislation in relation to child health & welfare	Introduction: Modern concepts of child-care • Historical development of child health • Philosophy and modern concept of child-care • Cultural and religious considerations in child-care • National policy and legislations in relation to child health and welfare • National programs and agencies related to welfare services to the children • Internationally accepted rights of the child	• Lecture Discussion • Demonstration of common pediatric procedures	• Short answer • Objective type • Assessment of skills with checklist

		Describe role of preventive pediatrics	• Changing trends in hospital care, preventive, promotive and curative aspect of child health • <i>Preventive pediatrics:</i> ○ Concept ○ Immunization ○ Immunization programs and cold		
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Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		List major causes of death during infancy, early & late childhood Differentiate between an adult and child in terms of illness and response Describe the major functions & role of the pediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing and perform child health nursing procedures	chain. ○ Care of under-five and Under-five Clinics/Well-baby clinics ○ Preventive measures towards accidents • Child morbidity and mortality rates • Difference between an adult and child which affect response to illness ○ Physiological ○ Psychological ○ Social ○ Immunological • Hospital environment for sick child • Impact of hospitalization on the child and family • Communication techniques for children • Grief and bereavement • The role of a child health nurse in caring for a hospitalized child • Principles of pre and postoperative care of infants and children. <i>Child Health Nursing procedures:</i> • Administration of medication: oral, I/M, & I/V • Calculation of fluid requirement • Application of restraints • Assessment of pain in children. ○ FACES pain rating scale ○ FLACC scale ○ Numerical scale		
II	12 (T)	Describe the normal growth and development of children at different ages Identify the needs of children at different ages & provide parental guidance Identify the nutritional needs of children at different ages & ways	The Healthy Child • Definition and principles of growth and development • Factors affecting growth and development • Growth and development from birth to adolescence • Growth and developmental theories (Freud, Erickson, Jean Piaget, Kohlberg) • The needs of normal children through the stages of developmental and parental guidance	• Lecture Discussion • Demonstration • Developmental study of infant and children • Observation study of normal & sick child • Field visit to Anganwadi, child guidance clinic • Videos on breast feeding	• Short answer • Objective type • Assessment of field visits and developmental study reports

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		of meeting needs Identify the role of play for normal & sick children	- Nutritional needs of children and infants - breast feeding - exclusive breast feeding - Supplementary/artificial feeding and weaning - Baby friendly hospital concept - Types and value of play and selection of play material	Clinical practice/field	
III	15 (T) 20 (L)	Provide care to normal and high- risk neonates Perform neonatal resuscitation Recognize and manage common neonatal problems	Nursing care of neonate: - Appraisal of Newborn - Nursing care of a normal newborn/essential newborn care - Neonatal resuscitation - Nursing management of low birth weight baby - Kangaroo mother care - Nursing management of common neonatal disorder - Hyperbilirubinemia - Hypothermia - Hyperthermia - Metabolic disorder - Neonatal infections - Neonatal seizures - Respiratory distress syndrome - Retinopathy of Prematurity - Organization of neonatal care unit - Neonatal equipment	- Modular based teaching: ENBC and FBNC module (oral drills, videos, self-evaluation exercises) - Workshop on neonatal resuscitation: NRP module - Demonstration - Practice Session - Clinical practice - Lecture Discussion	- OSCE - Short answer - Objective type
IV	10 (T) 5 (L)	Apply principles and strategies of IMNCI	Integrated management of neonatal and childhood illnesses	<i>Modular based teaching:</i> IMNCI module Clinical practice/field	OSCE
V	8 (T)	Describe the etiology, pathophysiology, clinical manifestation and nursing management of children with disorders of respiratory, and endocrine system	Nursing management in common childhood diseases Respiratory system: - Identification and Nursing management of congenital malformations - Congenital disorders: Tracheoesophageal fistula, Diaphragmatic hernia	- Lecture Discussion - Demonstration - Practice session - Clinical practice	- Short answer - Objective type - Assessment of skills with checklist

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Others: Acute naso-pharyngitis, Tonsillitis, Croup, Bronchitis, Bronchiolitis, Pneumonia, Asthma Endocrine system: - Juvenile Diabetes mellitus, Hypo-thyroidism		
VI	5 (T) 5 (L)	Develop ability to meet child- hood emergencies and perform child CPR	Childhood emergencies - Accidents – causes and prevention, Poisoning, Foreign bodies, Hemorrhage, Burns and Drowning - PLS (AHA Guidelines)	- Lecture - Discussion - Demonstration - PLS Module/ Workshop	OSCE

CHILD HEALTH NURSING - I & II CLINICAL (3 Credits – 240 hours)

PLACEMENT: V & VI SEMESTER

PRACTICUM: Skill Lab: 1 Credit (40 hours)

Clinical: V SEMESTER – 2 Credits (160 hours)

VI SEMESTER – 1 Credit (80 hours)

PRACTICE COMPETENCIES: On completion of the course, the students will be able to

1. Perform assessment of children: health, developmental & anthropometric.
2. Provide nursing care to children with various medical disorders.
3. Provide pre & postoperative care to children with common pediatric surgical conditions/ malformation.
4. Perform immunization as per NIS.
5. Provide nursing care to critically ill children.
6. Give health education/nutritional education to parents.
7. Counsel parents according to identified counseling needs.

Skill Lab

Use of Manikins and Simulators

PLS, CPAP, Endotracheal Suction

Pediatric Nursing Procedures:

- Administration of medication – Oral, IM & IV
- Oxygen administration
- Application of restraints
- Specimen collection
- Urinary catheterization and drainage
- Ostomy care
- Feeding – NG, gastrostomy, Jejunostomy
- Wound dressing
- Suture removal

CLINICAL POSTINGS

8 weeks × 30 hours per week (5 weeks + 3 weeks)

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Pediatric Medical Ward	V Sem – 2 weeks VI Sem – 1 week	Provide nursing care to children with various medical disorders	- Taking pediatric history - Physical examination & assessment of children - Administration of oral, I/M, & I/V medicine/fluids - Calculation of fluid replacement - Preparation of different strengths of I/V fluids - Application of restraints - Administration of O₂ inhalation by different methods - Baby bath/sponge bath - Feeding children by Katori spoon, Paladai cup - Collection of specimens for common investigations - Assisting with common diagnostic procedures - Teaching mothers/ parents - Malnutrition - Oral rehydration therapy - Feeding & Weaning - Immunization schedule - Play therapy	- Nursing care plan – 1 - Case study presentation – 1 - Health talk – 1	- Assess performance with rating scale - Assess each skill with checklist OSCE/OSPE - Evaluation of case study/ presentation & health education session - Completion of activity record
Pediatric Surgical Ward	V Sem – 2 weeks VI Sem – 1 week	- Recognize different pediatric surgical conditions/ malformations - Provide pre & post-operative care to children with common paediatric surgical conditions/ malformation - Counsel & educate parents	- Calculation, preparation & administration of I/V fluids - Bowel wash, insertion of suppositories - Care for ostomies: - Colostomy Irrigation - Ureterostomy - Gastrostomy - Enterostomy - Urinary catheterization & drainage - Feeding - Naso-gastric - Gastrostomy	- Nursing care plan – 1 - Case study/ presentation – 1	- Assess performance with rating scale - Assess each skill with checklist OSCE/OSPE - Evaluation of case study/ presentation - Completion of activity record

Clinical area/unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
			○ Jejunostomy ● Care of surgical wounds ○ Dressing ○ Suture removal		
Pediatric OPD/ Immunization room	V Sem – 1 week	● Perform assessment of children: health, developmental & anthropometric ● Perform immunization ● Give health education/ nutritional education	● Assessment of children ○ Health assessment ○ Developmental assessment ○ Anthropometric assessment ○ Nutritional assessment ● Immunization ● Health/Nutritional education	● Growth and developmental study: - Infant – 1 - Toddler – 1 - Preschooler – 1 - Schooler – 1 - Adolescent – 1	● Assess performance with rating scale ● Completion of activity record.
NICU & PICU	VI Sem – 1 week	● Provide nursing care to critically ill children	● Care of a baby in incubator/warmer ● Care of a child on ventilator, CPAP ● Endotracheal Suction ● Chest Physiotherapy ● Administration of fluids with infusion pumps ● Total Parenteral Nutrition ● Phototherapy ● Monitoring of babies ● Recording & reporting ● Cardiopulmonary Resuscitation (PLS)	● Newborn assessment – 1 ● Nursing Care Plan – 1	● Assess performance with rating scale ● Evaluation of observation report ● Completion of activity record

MENTAL HEALTH NURSING - I

PLACEMENT: V SEMESTER

THEORY: 3 Credits (60 hours)

PRACTICUM: Clinical: 1 Credit (80 hours)

DESCRIPTION: This course is designed to develop basic understanding of the principles and standards of mental health nursing and skill in application of nursing process in assessment and care of patients with mental health disorders.

COMPETENCIES: On completion of the course, the students will be competent to

1. Trace the historical development of mental health nursing and discuss its scope.
2. Identify the classification of the mental disorders.
3. Develop basic understanding of the principles and concepts of mental health nursing.

4. Apply the Indian Nursing Council practice standards for psychiatric mental health nursing in supervised clinical settings.
5. Conduct mental health assessment.
6. Identify and maintain therapeutic communication and nurse patient relationship.
7. Demonstrate knowledge of the various treatment modalities and therapies used in mental disorders.
8. Apply nursing process in delivering care to patients with mental disorders.
9. Provide nursing care to patients with schizophrenia and other psychotic disorders based on assessment findings and treatment/therapies used.
10. Provide nursing care to patients with mood disorders based on assessment findings and treatment/therapies used.
11. Provide nursing care to patients with neurotic disorders based on assessment findings and treatment/ therapies used.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	6 (T)	Describe the historical development & current trends in mental health nursing Discuss the scope of mental health nursing Describe the concept of normal & abnormal behaviour	Introduction - Perspectives of Mental Health and Mental Health Nursing, evolution of mental health services, treatments and nursing practices - Mental health team - Nature & scope of mental health nursing - Role & functions of mental health nurse in various settings and factors affecting the level of nursing practice - Concepts of normal and abnormal behaviour	Lecture cum Discussion	- Essay - Short answer
II	10 (T)	Define the various terms used in mental health Nursing Explain the classification of mental disorders Explain the psychodynamics of maladaptive behaviour Discuss the etiological factors & psychopathology of mental disorders Explain the principles and standards of Mental health Nursing Describe the conceptual models of mental health nursing	Principles and Concepts of Mental Health Nursing - Definition: mental health nursing and terminology used - Classification of mental disorders: ICD11, DSM5, Geropsychiatry manual classification - Review of personality development, defense mechanisms - Etiology bio-psycho-social factors - Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neurotransmission - Principles of Mental health Nursing - Ethics and responsibilities - Practice Standards for Psychiatric Mental Health Nursing (INC practice standards) - Conceptual models and the role of nurse: - Existential model	- Lecture cum Discussion - Explain using Charts - Review of personality development	- Essay - Short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			○ Psychoanalytical models ○ Behavioural model ○ Interpersonal model ● Preventive psychiatry and rehabilitation		
III	6 (T)	Describe nature, purpose and process of assessment of mental health status	Mental Health Assessment ● History taking ● Mental status examination ● Mini mental status examination ● Neurological examination ● Investigations: Related Blood chemistry, EEG, CT & MRI ● Psychological tests	● Lecture cum Discussion ● Demonstration ● Practice session ● Clinical practice	● Essay ● Short answer ● Assessment of mental health status
IV	6 (T)	Identify therapeutic communication & techniques Describe therapeutic relationship Describe therapeutic impasses and its interventions	Therapeutic Communication and Nurse-Patient Relationship ● Therapeutic communication: Types, techniques, characteristics and barriers ● Therapeutic nurse-patient relationship ● Interpersonal relationship- ● Elements of nurse patient contract, ● Review of technique of IPR- Johari window ● Therapeutic impasse and its management	● Lecture cum Discussion ● Demonstration ● Role Play ● Process recording ● Simulation (video)	● Essay ● Short answer ● OSCE
V	10 (T)	Explain treatment modalities and therapies used in mental disorders and role of the nurse	Treatment modalities and therapies used in mental disorders ● Physical therapies: Psychopharmacology, ● Electro Convulsive therapy ● Psychological Therapies: Psychotherapy, Behaviour therapy, CBT ● Psychosocial: Group therapy, Family therapy, Therapeutic Community, Recreational therapy, Art therapy (Dance, Music etc), Occupational therapy ● Alternative & Complementary: Yoga, Meditation, Relaxation ● Consideration for special populations	● Lecture cum Discussion ● Demonstration ● Group work ● Practice session ● Clinical practice	● Essay ● Short answer ● Objective type
VI	8 (T)	Describe the etiology, psycho-dynamics/ pathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders	Nursing management of patient with Schizophrenia, and other psychotic disorders ● Prevalence and incidence ● Classification ● Etiology, psychodynamics, clinical manifestation, diagnostic criteria/formulations	● Lecture and Discussion ● Case discussion ● Case presentation ● Clinical practice	● Essay ● Short answer ● Assessment of patient management problems

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			Nursing process • Nursing Assessment: History, Physical and mental assessment • Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders • Geriatric considerations and considerations for special populations • Follow up and home care and rehabilitation		
VII	6 (T)	Describe the etiology, psycho-dynamics, clinical manifestations, diagnostic criteria and management of patients with mood disorders	Nursing management of patient with mood disorders • Prevalence and incidence • Mood disorders: Bipolar affective disorder, mania depression and dysthymia etc. • Etiology, psycho dynamics, clinical manifestation, diagnosis • Nursing Assessment History, Physical and mental assessment • Treatment modalities and nursing management of patients with mood disorders • Geriatric considerations/ considerations for special populations • Follow-up and home care and rehabilitation	• Lecture and Discussion • Case discussion • Case presentation • Clinical practice	• Essay • Short answer • Assessment of patient management problems
VIII	8 (T)	Describe the etiology, psycho-dynamics, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders	Nursing management of patient with neurotic, stress related and somatisation disorders • Prevalence and incidence • classifications • Anxiety disorders – OCD, PTSD, Somatoform disorders, Phobias, Disassociative and Conversion disorders • Etiology, psychodynamics, clinical manifestation, diagnostic criteria/ formulations • Nursing Assessment: History, Physical and mental assessment • Treatment modalities and nursing management of patients with neurotic and stress related disorders • Geriatric considerations/ considerations for special populations • Follow-up and home care and rehabilitation	• Lecture and Discussion • Case discussion • Case presentation • Clinical practice	• Essay • Short answer • Assessment of patient management problems

CLINICAL PRACTICUM
MENTAL HEALTH NURSING - I & II

PLACEMENT: SEMESTER V & VI

MENTAL HEALTH NURSING - I – 1 Credit (80 hours)

MENTAL HEALTH NURSING - II – 2 Credits (160 hours)

PRACTICE COMPETENCIES: On completion of the course, the students will be able to:

1. Assess patients with mental health problems/disorders
2. Observe and assist in various treatment modalities or therapies
3. Counsel and educate patients and families
4. Perform individual and group psychoeducation
5. Provide nursing care to patients with mental health problems/disorders
6. Motivate patients in the community for early treatment and follow up
7. Observe the assessment and care of patients with substance abuse disorders in deaddiction centre.

CLINICAL POSTINGS
(8 weeks × 30 hours per week = 240 hours)

Clinical Area/Unit	Duration (Weeks)	Learning Outcomes	Skills/Procedural Competencies	Clinical Requirements	Assessments Methods
Psychiatric OPD	2	- Assess patients with mental health problems - Observe and assist in therapies - Counsel and educate patients, and families	- History taking - Perform mental status examination (MSE) - Observe/practice Psychometric assessment - Perform Neurological examination - Observing and assisting in therapies - Individual and group psycho-education - Mental hygiene practice education - Family psycho-education	- History taking and Mental status examination – 2 - Health education – 1 - Observation report of OPD	- Assess performance with rating scale - Assess each skill with checklist - Evaluation of health education - Assessment of observation report - Completion of activity record
Child Guidance clinic	1	- Assess children with various mental health problems - Counsel and educate children, families and significant others	- History & mental status examination - Observe/practice psychometric assessment - Observe and assist in various therapies - Parental teaching for child with mental deficiency	- Case work – 1 - Observation report of different therapies – 1	- Assess performance with rating scale - Assess each skill with checklist - Evaluation of the observation report
Inpatient ward	4	- Assess patients with mental health problems - Provide nursing care for patients with various	- History taking - Mental status examination (MSE) - Neurological examination - Assisting in psychometric	- Give care to 2-3 patients with various mental disorders - Case study – 1	- Assess performance with rating scale - Assess each skill with checklist

Clinical Area/Unit	Duration (Weeks)	Learning Outcomes	Skills/Procedural Competencies	Clinical Requirements	Assessments Methods
		- mental health problems - Assist in various therapies - Counsel and educate patients, families and significant others	- assessment - Recording therapeutic communication - Administration of medications - Assist Electro-Convulsive Therapy (ECT) - Participating in all therapies - Preparing patients for Activities of Daily Living (ADL) - Conducting admission and discharge counselling - Counseling and teaching patients and families	- Care plan - Clinical presentation – 1 - Process recording – 2 - Maintain drug book	- Evaluation of the case study, care plan, clinical presentation, process recording - Completion of activity record
Community psychiatry & Deaddiction centre	1	- Identify patients with various mental disorders - Motivate patients for early treatment and follow up - Assist in follow up clinic - Counsel and educate patient, family and community - Observe the assessment and care of patients at deaddiction centre	- Conduct home visit and case work - Identifying individuals with mental health problems - Assisting in organizations of Mental Health camp - Conducting awareness meetings for mental health & mental illness - Counseling and Teaching family members, patients and community - Observing deaddiction care	- Case work – 1 - Observation report on field visits - Visit to deaddiction centre	- Assess performance with rating scale - Evaluation of case work and observation report - Completion of activity record

COMMUNITY HEALTH NURSING - I
including Environmental Science & Epidemiology

PLACEMENT: V SEMESTER

THEORY: 5 Credits (100 hours) includes Lab hours also

PRACTICUM: Clinical: 2 Credits (160 hours)

DESCRIPTION: This course is designed to help students develop broad perspectives of health, its determinants, about community health nursing and understanding about the health care delivery services, health care policies and regulations in India. It helps the students to develop knowledge and understanding of environmental science. It further helps them to apply the principles and concepts of BCC and health education for health promotion and maintenance of health within the community in wellness and illness continuum. It helps students to practice Community Health Nursing for the individuals, family and groups at rural, urban and tribal settings by applying principles of community health nursing and epidemiological approach. It also helps the students to develop knowledge and competencies required to screen, assess, diagnose, manage and refer clients appropriately in various health care settings. It prepares the students to provide primary healthcare to clients of all ages in the community, DH, PHC, CHC, SC/HWC and develop beginning skills in participating in all the National Health Programs.

COMPETENCIES: On completion of the course, the students will be able to

1. Explore the evolution of public health in India and community health nursing
2. Explain the concepts and determinants of health
3. Identify the levels of prevention and health problems of India
4. Develop basic understanding about the health care planning and the present health care delivery system in India at various levels
5. Locate the significance of primary health care and comprehensive primary health care as part of current health care delivery system focus
6. Discuss health care policies and regulations in India
7. Demonstrate understanding about an overview of environmental science, environmental health and sanitation
8. Demonstrate skill in nutritional assessment for different age groups in the community and provide appropriate nutritional counseling
9. Provide health education to individuals and families applying the principles and techniques of behavior change appropriate to community settings
10. Describe community health nursing approaches and concepts
11. Describe the role and responsibilities of community health nursing personnel
12. Utilize the knowledge and skills in providing comprehensive primary health care across the life span at various settings
13. Make effective home visits applying principles and methods used for home visiting
14. Use epidemiological approach in community diagnosis
15. Utilize the knowledge of epidemiology, epidemiological approaches in caring for people with communicable and non-communicable diseases
16. Investigate an epidemic of communicable diseases
17. Assess, diagnose, manage and refer clients for various communicable and non-communicable diseases appropriately at the primary health care level
18. Identify and perform the roles and responsibilities of nurses in implementing various national health programs in the community for the prevention, control and management of communicable and non-communicable diseases particularly in screening, identification, primary management and referral to a health facility/First Referral Unit (FRU)

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	4 (T)	Define public health, community health and community health nursing Explain the evolution of public health in India and scope of community health nursing Explain various concepts of health and disease, dimensions and determinants of health Explain the natural history of disease and levels of prevention Discuss the health	Concepts of Community Health and Community Health Nursing • Definition of public health, community health and community health nursing • Public health in India and its evolution and Scope of community health nursing • Review: Concepts of Health & Illness/ disease: Definition, dimensions and determinants of health and disease • Natural history of disease • Levels of prevention: Primary, Secondary &	• Lecture • Discussion • Explain using chart, graphs • Community needs assessment (Field survey on identification of demographic characteristics, health determinants and resources of a rural and an urban community) • Explain using examples	• Short answer • Essay • Objective type • Survey report

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		problems of India	tertiary prevention – Review Health problems (Profile) of India		
II	8 (T)	Describe health planning and its steps, and various health plans, and committees Discuss health care delivery system in India at various levels Describe SDGs, primary health care and comprehensive primary health care (CPHC) Explain health care policies and regulations in India	Health Care Planning and Organization of Health Care at various levels - Health planning steps - Health planning in India: various committees and commissions on health and family welfare and Five Year plans - Participation of community and stakeholders in health planning - Health care delivery system in India: Infrastructure and Health sectors, Delivery of health services at sub-centre (SC), PHC, CHC, District level, state level and national level - Sustainable development goals (SDGs), Primary Health Care and Comprehensive Primary Health Care (CPHC): elements, principles - CPHC through SC/Health Wellness Center (HWC) - Role of MLHP/CHP - National Health Care Policies and Regulations - National Health Policy (1983, 2002, 2017) - National Health Mission (NHM): National Rural Health Mission (NRHM), National Urban Health Mission (NUHM), NHM - National Health Protection Mission (NHPM) - Ayushman Bharat - Universal Health Coverage	- Lecture - Discussion - Field visits to CHC, PHC, SC/ Health Wellness Centers (HWC) - Directed reading	- Short answer - Essay - Evaluation of Field visit reports & presentation
III	15 (T)	Identify the role of an individual in the	Environmental Science, Environmental Health, and	Lecture	Short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		conservation of natural resources	Sanitation • <i>Natural resources:</i> Renewable and non-renewable resources, natural resources and associated problems: Forest resources, water resources, mineral resources, food resources, energy resources and land resources • Role of individuals in conservation of natural resources, and equitable use of resources for sustainable lifestyles • <i>Ecosystem:</i> Concept, structure and functions of ecosystems, Types & Characteristics – Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystem, Energy flow in ecosystem • <i>Biodiversity:</i> Classification, value of bio-diversity, threats to biodiversity, conservation of biodiversity • <i>Environmental pollution:</i> Introduction, causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, nuclear hazards & their impact on health • <i>Climate change, global warming:</i> ex. heat wave, acid rain, ozone layer depletion, waste land reclamation & its impact on health • <i>Social issues and environment:</i> sustainable development, urban problems related to energy, water and environmental ethics • Acts related to environmental protection and preservation	• Discussion • Debates on environmental protection and preservation • Explain using Charts, graphs, Models, films, slides • Directed reading • Visits to water supply & purification sites	• Essay • Field visit reports
		Describe ecosystem, its structure, types and functions			
		Explain the classification, value and threats to biodiversity			
		Enumerate the causes, effects and control measures of environmental pollution			
		Discuss about climate change, global warming, acid rain, and ozone layer depletion			
		Enumerate the role of an individual in creating awareness about the social issues related to environment			
			Environmental Health &		

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		List the Acts related to environmental protection and preservation Describe the concept of environmental health and sanitation Describe water conservation, rain water harvesting and water shed management Explain waste management	Sanitation • Concept of environment health and sanitation • Concept of safe water, sources of water, waterborne diseases, water purification processes, household purification of water • Physical and chemical standards of drinking water quality and tests for assessing bacteriological quality of water • Concepts of water conservation: rain water harvesting and water shed management • Concept of Pollution prevention • Air & noise pollution • Role of nurse in prevention of pollution • Solid waste management, human excreta disposal & management and sewage disposal and management • Commonly used insecticides and pesticides	• Observe rain water harvesting plants • Visit to sewage disposal and treatment sites, and waste disposal sites	
IV	7 (T)	Describe the various nutrition assessment methods at the community level Plan and provide diet plans for all age groups including therapeutic diet Provide nutrition counseling and education to all age groups and describe	Nutrition Assessment and Nutrition Education • <i>Review of Nutrition</i> ○ Concepts, types ○ Meal planning: aims, steps & diet plan for different age groups ○ Nutrition assessment of individuals, families and community by using appropriate methods • Planning suitable diet for individuals and families according to local availability of foods, dietary habits and economic status • General nutritional advice • Nutrition education: purpose, principles & methods and Rehabilitation	• Lecture • Discussion • Demonstration • Role play • Market visit • Nutritional assessment for different age groups • Lecture • Discussion	• Performance assessment of nutrition assessment for different age groups • Evaluation on nutritional assessment reports • Short answer • Essay

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		the national nutrition programs and Identify early the food borne diseases, and perform initial management and referral appropriately	• <i>Review:</i> Nutritional deficiency disorders • National nutritional policy & programs in India Food Borne Diseases and Food Safety Food borne diseases • Definition, & burden, Causes and classification • Signs & Symptoms • Transmission of food borne pathogens & toxins • Early identification, initial management and referral Food poisoning & food intoxication • Epidemiological features/clinical characteristics, Types of food poisoning • Food intoxication-features, preventive & control measures • Public health response to food borne diseases	• Field visits to milk purification plants, slaughterhouse • Refer Nutrition module-BPCCHN Block 2-unit I & UNIT 5	• Field visit reports
V	6 (T)	Describe behaviour change communication skills Counsel and provide health education to individuals, families and community for promotion of healthy life style practices	Communication management and Health Education • Behaviour change communication skills ○ communication ○ Human behaviour ○ Health belief model: concepts & definition, ways to influence behaviour ○ Steps of behaviour change ○ Techniques of behaviour change: Guiding principles in planning BCC activity ○ Steps of BCC ○ Social and Behaviour Change Communication strategies (SBCC): techniques to collect social history from clients ○ Barriers to effective	• Lecture • Discussion • Role play • Demonstration: BCC skills • Supervised field practice • Refer: BCC/SBCC module (MoHFW & USAID)	• Short answer • Essay • Performance evaluation of health

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		using appropriate methods and media	communication, and methods to overcome them Health promotion and Health education: methods/techniques, and audio-visual aids		education sessions to individuals and families
VI	7 (T)	Describe community health nursing approaches and concepts Describe and identify the activities of community health nurse to promote and maintain family health through home visits	Community health nursing approaches, concepts, roles and responsibilities of community health nursing personnel <i>Approaches:</i> - Nursing process - Epidemiological approach - Problem solving approach - Evidence based approach - Empowering people to care for themselves <i>Review:</i> Primary health care and Comprehensive Primary Health Care (CPHC) Home Visits: - Concept, Principles, Process, & Techniques: Bag technique - Qualities of Community HealthNurse - Roles and responsibilities of community health nursing personnel in family health services <i>Review:</i> Principles & techniques of counseling	- Lecture - Discussion - Demonstration - Role plays - Supervised field practice	- Short answer - Essays - Assessment of supervised field practice
VII	10 (T)	Explain the specific activities of community health nurse in assisting individuals and groups to promote and maintain their health	Assisting individuals and families to promote and maintain their health A. <i>Assessment of individuals and families</i> (Review from Child health nursing, Medical surgical nursing and OBG Nursing) Assessment of children, women, adolescents, elderly etc.	- Lecture - Discussion - Demonstration - Role plays	- Short answer - Essay - Assessment of clinical performance in the field practice area

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		Provide primary care at home/ health centers (HWC) using standing orders/ protocols as per public health standards/approved by MoH&FW and INC regulation Develop skill in maintenance of records and reports	- Children: Monitoring growth and development, milestones - Anthropometric measurements, BMI - Social development - Temperature and Blood pressure monitoring - Menstrual cycle - Breast self-examination (BSE) and testicles self-examination (TSE) - Warning Signs of various diseases - Tests: Urine for sugar and albumin, blood sugar, Hemoglobin <i>B. Provision of health services/primary health care:</i> - Routine check-up, Immunization, counseling, and diagnosis - Management of common diseases at home and health centre level - Care based on standing orders/protocols approved by MoH&FW - Drugs dispensing and injections at health centre <i>C. Continue medical care and follow up in community for various diseases/disabilities</i> <i>D. Carry out therapeutic procedures as prescribed/required for client and family</i> <i>E. Maintenance of health records and reports</i> - Maintenance of client records - Maintenance of health records at the facility level - Report writing and documentation of activities carried out during home visits, in the clinics/centers and field visits	- Document and maintain: - Individual records	- Assessment of procedural skills in lab procedures - Evaluation of records and reports

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		Develop beginning skills in handling social issues affecting the health and development of the family Identify and assist the families to utilize the community resources appropriately	<i>F. Sensitize and handle social issues affecting health and development of the family</i> • Women empowerment • Women and child abuse • Abuse of elders • Female foeticide • Commercial sex workers • Substance abuse <i>G. Utilize community resources for client and family</i> • Trauma services • Old age homes • Orphanages • Homes for physically challenged individuals • Homes for destitute • Palliative care centres • Hospice care centres • Assisted living facility	• Family records • Health center records • Field visits	• Evaluation of field visit reports
VIII	10 (T)	Describe the concepts, approaches and methods of epidemiology	Introduction to Epidemiology – Epidemiological Approaches and Processes • Epidemiology: Concept and Definition • Distribution and frequency of disease • Aims & uses of epidemiology • Epidemiological models of causation of disease • Concepts of disease transmission • Modes of transmission: Direct, Indirect and chain of infection • Time trends or fluctuations in disease occurrence • Epidemiological approaches: Descriptive, analytical and experimental • Principles of control measures/levels of	• Lecture • Discussion • Demonstration • Role play • Field visits: communicable disease hospital & Entomology office • Investigation of an epidemic of	• Short answer • Essay • Report on visit to communicable disease hospital • Report on visit to entomology office

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		Investigate an epidemic of communicable disease	prevention of disease - Investigation of an epidemic of communicable disease - Use of basic epidemiological tools to make community diagnosis for effective planning and intervention	communicable disease	Report and presentation on investigating an epidemic of communicable disease
IX	15 (T)	Explain the epidemiology of specific communicable diseases Describe the various methods of prevention, control and management of communicable diseases and the role of nurses in screening, diagnosing, primary management and referral to a health facility	Communicable Diseases and National Health Programs 1. Communicable Diseases – Vector borne diseases (Every disease will be dealt under the following headlines) - Epidemiology of the following vector born diseases - Prevention & control measures - Screening, and diagnosing the following conditions, primary management, referral and follow up - Malaria - Filaria - Kala-azar - Japanese encephalitis - Dengue - Chickungunya 2. Communicable diseases: Infectious diseases (Every disease will be dealt under the following headlines) - Epidemiology of the following infectious diseases - Prevention & Control measures - Screening, diagnosing the following conditions, primary management, referral and follow up - Leprosy - Tuberculosis - Vaccine preventable diseases – Diphtheria, whooping cough, tetanus, poliomyelitis	- Lecture - Discussion, - Demonstration - Role play - Suggested field visits - Field practice - Assessment of clients with communicable diseases	- Field visit reports - Assessment of family case study - OSCE assessment - Short answer - Essay

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		Identify the national health programs relevant to communicable diseases and explain the role of nurses in implementation of these programs	and measles ○ Enteric fever ○ Viral hepatitis ○ HIV/AIDS/RTI infections ○ HIV/AIDS, and Sexually Transmitted Diseases/ Reproductive tract infections (STIs/RTIs) ○ Diarrhoea ○ Respiratory tract infections ○ COVID-19 ○ Helminthic – soil & food transmitted and parasitic infections – Scabies and pediculosis 3. Communicable diseases: Zoonotic diseases ● Epidemiology of Zoonotic diseases ● Prevention & control measures ● Screening and diagnosing the following conditions, primary management, referral and follow up ○ Rabies: Identify, suspect, primary management and referral to a health facility ● Role of a nurses in control of communicable diseases National Health Programs 1. UIP: Universal Immunization Program (Diphtheria, Whooping cough, Tetanus, Poliomyelitis, Measles and Hepatitis B) 2. National Leprosy Eradication Program (NLEP) 3. Revised National Tuberculosis Control Program (RNTCP) 4. Integrated Disease Surveillance Program (IDSP): Enteric fever, Diarrhea, Respiratory		

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			infections and Scabies 5. National Aids Control Organization (NACO) 6. National Vector Borne Disease Control Program 7. National Air Quality Monitoring Program 8. Any other newly added program		
X	15 (T)	Describe the national health program for the control of non-communicable diseases and the role of nurses in screening, identification, primary management and referral to a health facility	Non-Communicable Diseases and National Health Program (NCD) - National response to NCDs (Every disease will be dealt under the following headlines) - Epidemiology of specific diseases - Prevention and control measures - Screening, diagnosing/ identification and primary management, referral and follow up care NCD-1 - Diabetes Mellitus - Hypertension - Cardiovascular diseases - Stroke & Obesity Blindness: Categories of visual impairment and national program for control of blindness Deafness: national program for prevention and control of deafness Thyroid diseases Injury and accidents: Risk factors for Road traffic injuries and operational guidelines for trauma care facility on highways NCD-2 Cancers - Cervical Cancer - Breast Cancer - Oral cancer - Epidemiology of specific cancers, Risk factors/	- Lecture - Discussion - Demonstration - Role play - Suggested field visits - Field practice - Assessment of clients with non-communicable diseases	- Field visit reports - Assessment of family case study - OSCE assessment - Short answer - Essay

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			Causes, Prevention, Screening, diagnosis – signs, Signs & symptoms, and early management & referral ○ Palliative care ○ Role of a nurse in non-communicable disease control program National Health Programs • National program for prevention and control of cancer, Diabetes, Cardiovascular Diseases and Stroke (NPCDCS) • National program for control of blindness • National program for prevention and control of deafness • National tobacco control program • Standard treatment protocols used in National Health Programs	• Participation in national health programs	
XI	3 (T)	Enumerate the school health activities and the role functions of a school health nurse	School Health Services • Objectives • Health problems of school children • Components of school health services • Maintenance of school health records • Initiation and planning of school health services • Role of a school health nurse	• Lecture • Discussion • Demonstration • Role play • Suggested field visits • Field practice	• Short answer • Essay • Evaluation of health counseling to school children • Screen, diagnose, manage and refer school children • OSCE assessment

Note: Lab hours less than 1 Credit is not specified separately.

CLINICAL PRACTICUM

CLINICAL: 2 Credits (160 hours)

CLINICAL POSTINGS: (4 weeks × 40 hours per week)

Clinical Area/Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Urban	2 weeks	Build and maintain rapport	• Interviewing skills using communication and	• Community needs assessment/ Survey	• Evaluation of survey report

Clinical Area/Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
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Rural	2 Weeks	Identify the socio-demographic characteristics, health determinants and resources of a rural and an urban community Observe the functioning and document significant observations Perform nutritional assessment and plan diet plan for adult Educate individuals/family/community on - Nutrition - Hygiene - Food hygiene - Healthy lifestyle - Health promotion Perform health assessment for clients of various age groups Maintain records and reports	interpersonal relationship • Conducting community needs assessment/survey to identify health determinants of a community • Observation skills • Nutritional assessment skills • Skill in teaching individual/family on: ○ Nutrition, including food hygiene and safety ○ Healthy lifestyle ○ Health promotion • Health assessment including nutritional assessment for clients of different age groups • Documentation skills	– Rural/urban – 1 Field visits: • SC/HWC, PHC, CHC • Water resources & purification site – water quality standards • Rain water harvesting • Sewage disposal Observation of • milk diary • slaughterhouse – meat hygiene • Observation of nutrition programs • Visit to market • Nutritional assessment of an individual (adult) – 1 • Health teaching (Adult) – 1 • Use of audio-visual aids ○ Flash cards ○ Posters ○ Flannel graph ○ Flip charts • Health assessment of woman – 1, infant/under five – 1, adolescent – 1, adult – 1 • Growth monitoring of under-five children – 1 Document and maintain: • Individual record • Family record • Health center record • Community health survey to investigate an epidemic – 1	• Evaluation of field visit and observation reports • Health talk evaluation • Assessment of clinical performance • Evaluations of reports &
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Clinical Area/Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
		Investigate epidemic of communicable disease Identify prevalent communicable and non-communicable diseases Screen, diagnose, manage and refer clients with common health problems in the community and refer high risk clients using standing orders/protocols Participate in implementation of national health programs Participate in school health program	- Investigating an epidemic – Community health survey - Screening, diagnosing, primary management of common health problems in the community and referral of high-risk clients to FRUs - Conduct home visit - Participation in implementation of national health programs - Participation in school health program	Screening, diagnosing and primary management and referral: - Communicable disease – 1 - Non- communicable diseases – 1 - Home visits – 2 - Participation in any two national health programs - Participation in school health program – 1	records - Clinical performance assessment - OSCE - Final clinical examination - Evaluation of home visit

EDUCATIONAL TECHNOLOGY/NURSING EDUCATION

PLACEMENT: V SEMESTER

THEORY: 2 Credits (40 hours)

PRACTICUM: Lab/Practical: 1 Credit (40 hours)

DESCRIPTION: This course is designed to help the students to develop knowledge, attitude and beginning competencies essential for applying basic principles of teaching and learning among individuals and groups both in educational and clinical settings. It also introduces basics of curriculum planning and organization. It further enables students to participate actively in team and collaborative learning.

COMPETENCIES: On completion of the course, the students will be competent to

1. Develop basic understanding of theoretical foundations and principles of teaching and learning
2. Identify the latest approaches to education and learning
3. Initiate self- assessment to identify one's own learning styles
4. Demonstrate understanding of various teaching styles that can be used, based on the learners' readiness and generational needs
5. Develop understanding of basics of curriculum planning, and organizing
6. Analyze and use different teaching methods effectively that are relevant to student population and settings
7. Make appropriate decisions in selection of teaching learning activities integrating basic principles

8. Utilize active learning strategies that enhance critical thinking, team learning and collaboration
9. Engage in team learning and collaboration through inter professional education
10. Integrate the principles of teaching and learning in selection and use of educational media/technology
11. Apply the principles of assessment in selection and use of assessment and evaluation strategies
12. Construct simple assessment tools/tests integrating cognitive, psychomotor and affective domains of learning that can measure knowledge and competence of students
13. Develop basic understanding of student guidance through mentoring and academic advising
14. Identify difficult situations, crisis and disciplinary/grievance issues experienced by students and provide appropriate counseling
15. Engage in ethical practice in educational as well as clinical settings based on values, principles and ethical standards
16. Develop basic understanding of evidence-based teaching practices

COURSE OUTLINE

T – Theory, P – Practical (Laboratory)

Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
I	6	3	Explain the definition, aims, types, approaches and scope of educational technology Compare and contrast the various educational philosophies Explain the teaching learning process, nature, characteristics and principles	Introduction and Theoretical Foundations: <i>Education and educational technology</i> • Definition, aims • Approaches and scope of educational technology • Latest approaches to education: ○ Transformational education ○ Relationship based education ○ Competency based education <i>Educational philosophy:</i> • Definition of philosophy, education and philosophy • Comparison of educational philosophies • Philosophy of nursing education Teaching learning process: • Definitions • Teaching learning as a process • Nature and characteristics of teaching and learning • Principles of teaching and learning • Barriers to teaching and learning • Learning theories • Latest approaches to learning ○ Experiential learning	• Lecture cum discussion	• Quiz

Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
			Describe different methods/strategies of teaching and develop beginning skill in using various teaching methods Explain active learning strategies and participate actively in team and collaborative learning	o Information communication technology (ICT) – ICT used in education <i>Teaching methods – Features, advantages and disadvantages</i> • Lecture, Group discussion, microteaching • Skill lab – simulations, Demonstration & re-demonstration • Symposium, panel discussion, seminar, scientific workshop, exhibitions • Role play, project • Field trips • Self-directed learning (SDL) • Computer assisted learning • One-to-one instruction <i>Active learning strategies</i> • Team based learning • Problem based learning • Peer sharing • Case study analysis • Journaling • Debate • Gaming • Inter-professional education	• Practice teaching/Micro teaching • Exercise (Peer teaching) • Patient teaching session • Construction of game – puzzle • Teaching in groups – interdisciplinary	• Assessment of microteaching
IV	3	3	Enumerate the factors influencing selection of clinical learning experiences Develop skill in using different clinical teaching strategies	Teaching in the Clinical Setting – Teaching Methods • Clinical learning environment • Factors influencing selection of clinical learning experiences • Practice model • Characteristics of effective clinical teacher • Writing clinical learning outcomes/practice competencies • Clinical teaching strategies – patient assignment – clinical conference, clinical presentation/bedside clinic, Case study/care study, nursing rounds, concept mapping, project, debate, game, role play, PBL, questioning, written assignment, process recording	• Lecture cum discussion • Writing clinical outcomes – assignments in pairs	• Short answer • Assessment of written assignment

Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
V	5	5	Explain the purpose, principles and steps in the use of media Categorize the different types of media and describe its advantages and disadvantages Develop skill in preparing and using media	Educational/Teaching Media - Media use – Purpose, components, principles and steps - Types of media <i>Still visuals</i> - Non projected – drawings & diagrams, charts, graphs, posters, cartoons, board devices (chalk/white board, bulletin board, flannel board, flip charts, flash cards, still pictures/photographs, printed materials-handout, leaflet, brochure, flyer - Projected – film stripes, microscope, power point slides, overhead projector <i>Moving visuals</i> - Video learning resources – videotapes & DVD, blu-ray, USB flash drive - Motion pictures/films <i>Realia and models</i> - Real objects & Models <i>Audio aids/audio media</i> - Audiotapes/Compact discs - Radio & Tape recorder - Public address system - Digital audio <i>Electronic media/computer learning resources</i> - Computers - Web-based videoconferencing - E-learning, Smart classroom <i>Telecommunication (Distance education)</i> - Cable TV, satellite broadcasting, videoconferencing Telephones – Telehealth/telenursing <i>Mobile technology</i>	- Lecture cum discussion - Preparation of different teaching aids – (Integrate with practice teaching sessions)	- Short answer - Objective type - Assessment of the teaching media prepared
VI	5	3	Describe the purpose, scope, principles in selection of evaluation methods and barriers to evaluation	Assessment/Evaluation Methods/Strategies Purposes, scope and principles in selection of assessment methods and	Lecture cum discussion	- Short answer - Objective type

			Explain the guidelines to develop assessment types • Barriers to evaluation • Guidelines to develop assessment		
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Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
			tests Develop skill in construction of different tests Identify various clinical evaluation tools and demonstrate skill in selected tests	tests <i>Assessment of knowledge:</i> • Essay type questions, • Short answer questions (SAQ) • Multiple choice questions (MCQ – single response & multiple response) <i>Assessment of skills:</i> • Clinical evaluation • Observation (checklist, rating scales, videotapes) • Written communication – progress notes, nursing care plans, process recording, written assignments • Verbal communication (oral examination) • Simulation • Objective Structured Clinical Examination (OSCE) • Self-evaluation • Clinical portfolio, clinical logs <i>Assessment of Attitude:</i> • Attitude scales <i>Assessment tests for higher learning:</i> • Interpretive questions, hot spot questions, drag and drop and ordered response questions	• Exercise on constructing assessment tool/s	• Assessment of tool/s prepared
VII	3	3	Explain the scope, purpose and principles of guidance Differentiate between guidance and counseling Describe the principles, types, and counseling process Develop basic skill of counseling and guidance	Guidance/academic advising, counseling and discipline <i>Guidance</i> • Definition, objectives, scope, purpose and principles • Roles of academic advisor/ faculty in guidance <i>Counseling</i> • Difference between guidance and counseling • Definition, objectives, scope, principles, types, process and steps of counseling • Counseling skills/techniques – basics • Roles of counselor • Organization of counseling services	• Lecture cum discussion • Role play on student counseling in different situations • Assignment on identifying situations requiring counseling	• Assessment of performance in role play scenario • Evaluation of assignment

Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
			Recognize the importance of preventive counseling and develop skill to respond to disciplinary problems and grievance among students	- Issues for counseling in nursing students <i>Discipline and grievance in students</i> - Managing disciplinary/grievance problems – preventive guidance & counseling - Role of students' grievance redressal cell/committee		
VIII	4	2	Recognize the importance of value-based education Develop skill in ethical decision making and maintain ethical standards for students Introduce knowledge of EBT and its application in nursing education	Ethics and Evidence Based Teaching (EBT) in Nursing Education <i>Ethics – Review</i> - Definition of terms - Value based education in nursing - Value development strategies - Ethical decision making - Ethical standards for students - Student-faculty relationship <i>Evidence based teaching – Introduction</i> - Evidence based education process and its application to nursing education	- Value clarification exercise - Case study analysis (student encountered scenarios) and suggest ethical decision-making steps - Lecture cum discussion	- Short answer - Evaluation of case study analysis - Quiz – MCQ

INTRODUCTION TO FORENSIC NURSING AND INDIAN LAWS

PLACEMENT: V SEMESTER

THEORY: 1 Credit (20 hours)

DESCRIPTION: This course is designed to help students to know the importance of forensic science in total patient care and to recognize forensic nursing as a specialty discipline in professional nursing practice.

COMPETENCIES: On completion of the course, the students will be able to

1. Identify forensic nursing as an emerging specialty in healthcare and nursing practice
2. Explore the history and scope of forensic nursing practice
3. Identify forensic team, role and responsibilities of forensic nurse in total care of victim of violence and in preservation of evidence
4. Develop basic understanding of the Indian judicial system and legal procedures

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	3 (T)	Describe the nature of forensic science and discuss issues concerning violence	Forensic Science • Definition • History • Importance in medical science • Forensic Science Laboratory Violence • Definition • Epidemiology • Source of data Sexual abuse – child and women	• Lecture cum discussion • Visit to Regional Forensic Science Laboratory	• Quiz – MCQ • Write visit report
II	2 (T)	Explain concepts of forensic nursing and scope of practice for forensic nurse	Forensic Nursing • Definition • History and development • Scope – setting of practice, areas of practice and subspecialties • Ethical issues • Roles and responsibilities of nurse • INC & SNC Acts	• Lecture cum discussion	• Short answer • Objective type
III	7 (T)	Identify members of forensic team and describe role of forensic nurse	Forensic Team • Members and their roles Comprehensive forensic nursing care of victim and family • Physical aspects • Psychosocial aspects • Cultural and spiritual aspects • Legal aspects • Assist forensic team in care beyond scope of her practice • Admission and discharge/referral/death of victim of violence • Responsibilities of nurse as a witness Evidence preservation – role of nurses • Observation • Recognition	• Lecture cum Discussion • Hypothetical/real case presentation • Observation of post-mortem • Visit to department of forensic medicine	• Objective type • Short answer • Write report

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	20 (T)	Describe the etiology, pathophysiology, clinical manifestation and nursing management of children with disorders of cardiovascular, gastrointestinal, genitourinary, and nervous system	Cardiovascular system: • Identification and Nursing management of congenital malformations • Congenital heart diseases: Cyanotic and Acyanotic (ASD, VSD, PDA, TOF) • Others: Rheumatic fever and Rheumatic heart disease, Congestive cardiac failure • Hematological conditions: a) Congenital: Hemophilia, Thalassemia b) Others: Anemia, Leukemia, Idiopathic thrombocytopenic purpura, Hodgkins and non-hodgkins lymphoma Gastro-intestinal system: • Identification and Nursing management of congenital malformations. • Congenital: Cleft lip, Cleft palate, Congenital hypertrophic pyloric stenosis, Hirschsprungs disease (Megacolon), Anorectal malformation, Malabsorption syndrome, Abdominal wall defects, Hernia • Others: Gastroenteritis, Diarrhea, Vomiting, Protein energy malnutrition, Intestinal obstruction, Hepatic diseases, intestinal parasites Genitourinary urinary system: • Identification and Nursing management of congenital malformations. • Congenital: Wilms tumor, Extrophy of bladder, Hypospadias, Epispadias, Obstructive uropathy • Others: Nephrotic syndrome, Acute glomerulonephritis, renal failure Nervous system: • Identification and Nursing management of congenital malformations a) Congenital: Spina bifida, Hydrocephalous. b) Others: Meningitis, Encephalitis, Convulsive disorders (convulsions and seizures), Cerebral palsy head injury	• Lecture cum discussion • Demonstration and practice session	• Short answer • Objective type • Assessment of skills with checklist
II	10 (T)	Describe the etiology, pathophysiology, clinical manifestation and nursing	Orthopedic disorders: • Club foot	• Lecture cum discussion • Demonstration	• Short answer • Objective type • Assessment of

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		management of children with Orthopedic disorders, eye, ear and skin disorders Explain the preventive measures and strategies for children with communicable diseases	• Hip dislocation and • Fracture Disorder of eye, ear and skin: • Refractory errors • Otitis media and • Atopic dermatitis Communicable diseases in children, their identification/ diagnosis, nursing management in hospital, in home, control & prevention: • Tuberculosis • Diphtheria • Tetanus • Pertussis • Poliomyelitis • Measles • Mumps, and • Chickenpox • HIV/AIDS • Dengue fever • COVID-19	• Practice session • Clinical practice	skills with checklist
III	10 (T)	Describe the management of children with behavioral & social problems Identify the social & welfare services for challenged children	Management of behavior and social problems in children • Child Guidance clinic • Common behavior disorders in children and management ◦ Enuresis and Encopresis ◦ Nervousness ◦ Nail biting ◦ Thumb sucking ◦ Temper tantrum ◦ Stealing ◦ Aggressiveness ◦ Juvenile delinquency ◦ School phobia ◦ Learning disability • Psychiatric disorders in children and management ◦ Childhood schizophrenia ◦ Childhood depression ◦ Conversion reaction ◦ Posttraumatic stress disorder ◦ Autistic spectrum disorders	• Lecture cum discussion • Field visits to child guidance clinics, school for mentally & physically, socially challenged	• Short answer • Objective type • Assessment of field reports

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Eating disorder in children and management ○ Obesity ○ Anorexia nervosa ○ Bulimia • Management of challenged children. ○ Mentally ○ Physically ○ Socially ○ Child abuse, ○ Substance abuse • Welfare services for challenged children in India		

CHILD HEALTH NURSING - II – CLINICAL PRACTICUM (1 Credit – 80 hours)

Given under Child Health Nursing - I as I & II

MENTAL HEALTH NURSING - II

PLACEMENT: VI SEMESTER

THEORY: 1 Credit (40 Hours)

PRACTICUM: Clinical: 2 Credits (160 Hours)

DESCRIPTION: This course is designed to provide the students with basic understanding and skills essential to meet psychiatric emergencies and perform the role of community mental health nurse.

COMPETENCIES: On completion of the course, the students will be able to

1. Apply nursing process in providing care to patients with substance use disorders, and personality and sexual disorders.
2. Apply nursing process in providing care to patients with behavioural and emotional disorders occurring during childhood and adolescence.
3. Apply nursing process in providing care to patients with organic brain disorders.
4. Identify and respond to psychiatric emergencies.
5. Carry out crisis interventions during emergencies under supervision.
6. Perform admission and discharge procedures as per MHCA 2017.
7. Explore the roles and responsibilities of community mental health nurse in delivering community mental health services.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	6 (T)	Describe the etiology, psychodynamics, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	Nursing Management of Patients with Substance Use Disorders • Prevalence and incidence • Commonly used psychotropic substance: classifications, forms, routes, action, intoxication and withdrawal • Psychodynamics/etiology of substance use disorder (Terminologies: Substance Use, Abuse, Tolerance, Dependence, Withdrawal) • Diagnostic criteria/formulations • Nursing Assessment: History (substance history), Physical, mental assessment and drug and drug assay • Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction, Brief interventions, MET, refusal skills, maintenance therapy) and nursing management of patients with substance use disorders • Special considerations for vulnerable population • Follow-up and home care and rehabilitation	• Lecture cum discussion • Case discussion • Case presentation • Clinical practice	• Essay • Short answer • Assessment of patient management problems
II	6 (T)	Describe the etiology, psychodynamics, clinical manifestations, diagnostic criteria and management of patients with personality, and sexual disorders	Nursing Management of Patient with Personality and Sexual Disorders • Prevalence and incidence • Classification of disorders • Etiology, psychopathology, characteristics, diagnosis • Nursing Assessment: History, Physical and mental health assessment • Treatment modalities and nursing management of patients with personality, and sexual disorders • Geriatric considerations • Follow-up and home care and rehabilitation	• Lecture cum discussion • Case discussion • Case presentation • Clinical practice	• Essay • Short answer • Assessment of patient management problems
III	8 (T)	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	Nursing Management of Behavioural & Emotional Disorders occurring during Childhood and Adolescence (Intellectual disability, autism, attention deficit, hyperactive disorder, eating disorders, learning disorder) • Prevalence and incidence • Classifications • Etiology, psychodynamics, Characteristics, diagnostic criteria/formulations	• Lecture cum discussion • Case discussion • Case presentation • Clinical practice	• Essay • Short answer • Assessment of patient management problems

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			• Nursing Assessment: History, Physical, mental status examination and IQ assessment • Treatment modalities and nursing management of childhood disorders including intellectual disability • Follow-up and home care and rehabilitation		
IV	5 (T)	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders.	Nursing Management of Organic Brain Disorders (Delirium, Dementia, amnesic disorders) • Prevalence and incidence • Classification • Etiology, psychopathology, clinical features, diagnosis and Differential diagnosis • Nursing Assessment: History, Physical, mental and neurological assessment • Treatment modalities and nursing management of organic brain disorders • Follow-up and home care and rehabilitation	• Lecture cum discussion • Case discussion • Case presentation • Clinical practice	• Essay • Short answer • Assessment of patient management problems
V	6 (T)	Identify psychiatric emergencies and carry out crisis intervention	Psychiatric Emergencies and Crisis Intervention • Types of psychiatric emergencies (attempted suicide, violence/ aggression, stupor, delirium tremens and other psychiatric emergencies) and their managements • Maladaptive behaviour of individual and groups, stress, crisis and disaster(s) • Types of crisis • Crisis intervention: Principles, Techniques and Process - Stress reduction interventions as per stress adaptation model - Coping enhancement - Techniques of counseling	• Lecture cum discussion • Case discussion • Case presentation • Clinical practice	• Short answer • Objective type
VI	4 (T)	Explain legal aspects applied in mental health settings and role of the nurse	Legal Issues in Mental Health Nursing • Overview of Indian Lunacy Act and The Mental Health Act 1987 • (Protection of Children from Sexual Offence) POSCO Act • Mental Health Care Act (MHCA) 2017 • Rights of mentally ill clients • Forensic psychiatry and nursing • Acts related to narcotic and psychotropic substances and illegal drug trafficking	• Lecture cum discussion • Case discussion	• Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			• Admission and discharge procedures as per MHCA 2017 • Role and responsibilities of nurses in implementing MHCA 2017		
VII	5 (T)	Describe the model of preventive psychiatry Describe Community Mental health services and role of the nurse	Community Mental Health Nursing • Development of Community Mental Health Services: • National mental health policy viz. National Health Policy • National Mental Health Program • Institutionalization versus Deinstitutionalization • Model of Preventive psychiatry • Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and nurses' responsibilities • Mental Health Agencies: Government and voluntary, National and International • Mental health nursing issues for special populations: Children, Adolescence, Women Elderly, Victims of violence and abuse, Handicapped, HIV/AIDS etc.	• Lecture cum discussion • Clinical/ field practice • Field visits to mental health service agencies	• Short answer • Objective type • Assessment of the field visit reports

CLINICAL PRACTICUM – 2 Credits (80 hours)

Clinical Practicum for Mental Health Nursing - I & II are given under Mental Health Nursing - I Clinical Practicum

NURSING MANAGEMENT AND LEADERSHIP

PLACEMENT: VI Semester

THEORY: 3 Credits (60 hours) includes Lab/Skill Lab hours also

PRACTICUM: Clinical: 1 Credits (80 hours)

DESCRIPTION: This course is designed to enable students to acquire knowledge and competencies in areas of administration, and management of nursing services and education. Further prepares the students to develop leadership competencies and perform their role as effective leaders in an organization.

COMPETENCIES: On completion of the course, the students will be able to

1. Analyze the health care trends influencing development of nursing services and education in India.
2. Describe the principles, functions and process of management applied to nursing.
3. Develop basic understanding and beginning competencies in planning and organizing nursing services in a hospital.
4. Apply the concept of human resource management and identify the job description for all categories of nursing personnel including in service education.
5. Discuss the principles and methods of staffing and scheduling in an individual hospital/nursing unit.
6. Develop skill in management of materials and supplies including inventory control.
7. Develop team working and inter professional collaboration competencies.
8. Identify effective leadership styles and develop leadership competencies.
9. Utilize the knowledge of principles and line of control and participate in quality management and evaluation activities.
10. Utilize the knowledge related to financial planning in nursing services and education during budgetary process.

11. Apply the knowledge of nursing informatics in maintenance of records and reports relevant to patient information, nursing care and progress.
12. Demonstrate understanding of the INC guidelines for establishment and accreditation of educational institutions in terms of faculty norms, physical infrastructure and clinical facilities.
13. Demonstrate beginning competencies in planning, organizing and staffing at college including implementation and evaluation of curriculum.
14. Identify the legal issues and laws relevant to nursing practice and education.
15. Apply the knowledge and utilize the various opportunities for professional advancement.

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	1 (T)	Explore the health care, development of nursing services and education in India and trends	Health Care and Development of Nursing Services in India • Current health care delivery system of India – review • Planning and development of nursing services and education at global and national scenario • Recent trends and issues of nursing service and management	• Lecture cum discussion • Directed reading and written assignment	• Short answer • Assessment of assignment
II	2 (T)	Explain the principles and functions of management applied to nursing Describe the introductory concepts of management as a process	Management Basics Applied to Nursing • Definitions, concepts and theories of management • Importance, features and levels of management • Management and administration • Functions of management • Principles of management • Role of a nurse as a manager Introduction to Management Process • Planning • Organizing • Staffing • Directing/Leading • Controlling	• Lecture and discussion	• MCQ • Short answer
			MANAGEMENT OF NURSING SERVICES		
III	4 (T)	Describe the essential elements of planning	Planning Nursing Services • Vision, Mission, philosophy, objectives • Nursing service policies, procedures and manuals • Functional and operational planning	• Lecture and Discussion • Visit to specific hospital/ patient care units • Demonstration of disaster drill in the respective setting	• Formulate Mission & Vision Statement for the nursing department/ unit • Assessment

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Strategic planning • Program planning – Gantt chart & milestone chart • Budgeting – concepts, principles, types, • Budget proposal, cost benefit analysis • Planning hospital and patient care unit (Ward) • Planning for emergency and disaster		• of problem-solving exercises • Visit Report
IV	4 (T)	Discuss the concepts of organizing including hospital organization	Organizing • Organizing as a process – assignment, delegation and coordination • Hospital – types, functions & organization • Organizational development • Organizational structure • Organizational charts • Organizational effectiveness • Hospital administration, Control & line of authority • Hospital statistics including hospital utilization indices • Nursing care delivery systems and trends • Role of nurse in maintenance of effective organizational climate	• Lecture cum discussion • Comparison of organizational structure of various organizations • Nursing care delivery systems – assignment • Preparation of Organizational chart of hospital/ Nursing services	• Short answer • Assessment of assignment
V	6 (T)	Identify the significance of human resource management (HRM) and material management and discuss its elements	Staffing (Human resource management) • Definition, objectives, components and functions Staffing & Scheduling • Staffing – Philosophy, staffing activities • Recruiting, selecting, deployment • Training, development, credentialing, retaining, promoting, transfer, terminating, superannuation • Staffing units – Projecting staffing requirements/calculation of requirements of staff resources Nurse patient ratio, Nurse Population ratio as per SIU norms/IPH Norms, and Patient classification system • Categories of nursing personnel including job description of all levels • Assignment and nursing care responsibilities	• Lecture and discussion • Role play • Games self-assessment, case discussion and practice session • Calculation of staffing requirements for a specified ward	• Formulate Job description at different levels of care & compare with existing system • Preparation of duty roster

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
		Explain the procedural steps of material management Develop managerial skill in inventory control and actively participate in procurement process	- Turnover and absenteeism - Staff welfare - Discipline and grievances In-Service Education - Nature and scope of in-service education program - Principles of adult learning – review - Planning and organizing in-service educational program - Methods, techniques and evaluation - Preparation of report Material Resource Management - Procurement, purchasing process, inventory control & role of nurse - Auditing and maintenance in hospital and patient care unit	Visit to inventory store of the institution	- Preparation of MMF/records - Preparation of log book & condemnation documents - Visit Report
VI	5 (T)	Describe the important methods of supervision and guidance	Directing and Leading - Definition, principles, elements of directing - Supervision and guidance - Participatory management - Inter-professional collaboration - Management by objectives - Team management - Assignments, rotations - Maintenance of discipline - Leadership in management	- Lecture and discussion - Demonstration of record & report maintenance in specific wards/ departments	- Assignment on Reports & Records maintained in nursing department/ - Preparation of protocols and manuals
VII	4 (T)	Discuss the significance and changing trends of nursing leadership Analyze the different leadership styles and develop leadership competencies	Leadership - Definition, concepts, and theories - Leadership principles and competencies - Leadership styles: Situational leadership, Transformational leadership - Methods of leadership development - Mentorship/preceptorship in nursing - Delegation, power & politics, empowerment, mentoring and coaching - Decision making and problem solving	- Lecture cum discussion - Self-assessment - Report on types of leadership adopted at different levels of health care in the given setting - Problem solving/ Conflict management exercise - Observation of managerial roles at different levels (middle level managers-ward incharge, ANS)	- Short answer - Essay - Assessment of exercise/report

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Conflict management and negotiation • Implementing planned change		
VIII	4 (T)	Explain the process of controlling and its activities	Controlling • Implementing standards, policies, procedures, protocols and practices • Nursing performance audit, patient satisfaction • Nursing rounds, Documentation – records and reports • Total quality management – Quality assurance, Quality and safety • Performance appraisal • Program evaluation review technique (PERT) • Bench marking, Activity plan (Gantt chart) • Critical path analysis	• Lecture cum discussion • Preparation of policies/ protocols for nursing units/ department	• Assessment of prepared protocols
IX	4 (T)	Explain the concepts of organizational behavior and group dynamics	Organizational Behavior and Human Relations • Concepts and theories of organizational behavior • Group dynamics • Review – Interpersonal relationship • Human relations • Public relations in the context of nursing • Relations with professional associations and employee unions • Collective bargaining • Review – Motivation and morale building • Communication in the workplace – assertive communication • Committees – importance in the organization, functioning	• Lecture and discussion • Role play/ exercise – Group dynamics & human relations	• Short answer • OSCE
X	2 (T)	Describe the financial management related to nursing services	Financial Management • Definition, objectives, elements, functions, principles & scope of financial management • Financial planning (budgeting for nursing department) • Proposal, projecting requirement for staff, equipment and supplies for – Hospital & patient care units & emergency and disaster units	• Lecture cum discussion • Budget proposal review • Preparation of budget proposal for a specific department	• Short answer • Essay • Assessment of assignment

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			- Budget and Budgetary process - Financial audit		
XI	1 (T)	Review the concepts, principles and methods and use of nursing informatics	Nursing Informatics/ Information Management – Review - Patient records - Nursing records - Use of computers in hospital, college and community - Telemedicine & Tele nursing - Electronic Medical Records (EMR), EHR	- Review - Practice session - Visit to departments	Short answer
XII	1 (T)	Review personal management in terms of management of emotions, stress and resilience	Personal Management – Review - Emotional intelligence - Resilience building - Stress and time management – de-stressing - Career planning	- Review - Discussion	
			MANAGEMENT OF NURSING EDUCATIONAL INSTITUTIONS		
XIII	4 (T)	Describe the process of establishing educational institutions and its accreditation guidelines	Establishment of Nursing Educational Institutions - Indian Nursing Council norms and guidelines – Faculty norms, physical facilities, clinical facilities, curriculum implementation, and evaluation/examination guidelines - Coordination with regulatory bodies – INC and State Nursing Council - Accreditation – Inspections - Affiliation with university/State council/board of examinations	- Lecture and discussion - Visit to one of the regulatory bodies	Visit report
XIV	4 (T)	Explain the planning and organizing functions of a nursing college	Planning and Organizing - Philosophy, objectives and mission of the college - Organization structure of school/college - Review – Curriculum planning - Planning teaching and learning experiences, clinical facilities – master plan, time table and clinical rotation - Budget planning – faculty, staff, equipment & supplies, AV aids, Lab equipment, library books, journals, computers and maintenance - Infrastructure facilities – college, classrooms, hostel, library, labs,	- Directed reading – INC Curriculum - Preparation of organizational structure of the college - Written assignment – writing philosophy of a teaching department - Preparation of master plan, time table and clinical rotation	- Short answer - Essay - Assessment of assignment

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			computer lab, transport facilities - Records & reports for students, staff, faculty and administrative - Committees and functioning - Clinical experiences		
XV	4 (T)	Develop understanding of staffing the college and selecting the students	Staffing and Student Selection - Faculty/staff selection, recruitment and placement, job description - Performance appraisal - Faculty development - Faculty/staff welfare - Student recruitment, admission, clinical placement	- Guided reading on faculty norms - Faculty welfare activities report - Writing job description of tutors	- Short answer - Activity report - Assessment of job description
XVI	4 (T)	Analyze the leadership and management activities in an educational organization	Directing and Controlling - Review – Curriculum implementation and evaluation - Leadership and motivation, supervision – review - Guidance and counseling - Quality management – educational audit - Program evaluation, evaluation of performance - Maintaining discipline - Institutional records and reports – administrative, faculty, staff and students	- Review principles of evaluation Assignment – Identify disciplinary problems among students - Writing student record	- Short answer - Assessment of assignment and record
XVII	4 (T)	Identify various legal issues and laws relevant to nursing practice	PROFESSIONAL CONSIDERATIONS Review – Legal and Ethical Issues - Nursing as a profession – Characteristics of a professional nurse - Nursing practice – philosophy, aim and objectives - Regulatory bodies – INC and SNC constitution and functions Review – Professional ethics - Code of ethics and professional conduct – INC & ICN - Practice standards for nursing – INC - International Council for Nurses (ICN) Legal aspects in nursing: - Consumer protection act, patient rights - Legal terms related to practice, legal		

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			system – types of law, tort law & liabilities • Laws related to nursing practice – negligence, malpractice, breach, penalties • Invasion of privacy, defamation of character • Nursing regulatory mechanisms – registration, licensure, renewal, accreditation, nurse practice act, regulation for nurse practitioner/specialist nursing practice		
XVIII	2 (T)	Explain various opportunities for professional advancement	Professional Advancement • Continuing Nursing Education • Career opportunities • Membership with professional organizations – national and international • Participation in research activities • Publications – journals, newspaper	• Prepare journal list available in India • Write an article – research/ clinical	• Assessment of assignments

Note: Less than 1 credit lab hours are not specified

CLINICAL PRACTICUM

Clinical: 2 Credits (80 hours) 2 weeks × 40 hours per week = 80 hours

Practice Competencies:

Hospital

1. Prepare organizational chart of hospital/Nursing services/nursing department
2. Calculate staffing requirements for a particular nursing unit/ward
3. Formulate Job description at different levels of care
4. Prepare duty roster for staff/students at different levels
5. Participate in procuring/purchase of equipment & supplies
6. Prepare log book/MMF for specific equipment/materials
7. Maintain and store inventory and keep daily records
8. Prepare and maintain various records & reports of the settings – incident reports/adverse reports/audit reports
9. Prepare and implement protocols & manuals
10. Participate in supervision, evaluation and conducting in service education for the staff

College & Hostel

1. Prepare organizational chart of college
2. Formulate job description for tutors
3. Prepare Master plan, time table and clinical rotation
4. Prepare student anecdotes
5. Participate in planning, conducting and evaluation of clinical teaching

6. Participate in evaluation of students' clinical experience
7. Participate in planning and conducting practical examination OSCE – end of posting

CLINICAL POSTING: Management experience in hospital & college.

MIDWIFERY/OBSTETRICS AND GYNECOLOGY (OBG) NURSING - I **including SBA module**

PLACEMENT: VI SEMESTER

THEORY: 3 Credits (60 hours)

PRACTICUM: Skill Lab: 1 Credit (40 hours); Clinical: 3 Credits (240 hours)

DESCRIPTION: This course is designed for students to develop knowledge and competencies on the concepts and principles of midwifery. It helps them to acquire knowledge and skills in rendering respectful maternity care to woman during antenatal, intranatal and postnatal periods in hospitals and community settings. It further helps to develop skills in managing normal neonates and participate in family welfare programs.

COMPETENCIES: On completion of the program, the students will be able to

1. Demonstrate professional accountability for the delivery of nursing care as per INC standards/ICM competencies that are consistent with moral, altruistic, legal, ethical, regulatory and humanistic principles in midwifery practice.
2. Communicate effectively with individuals, families and professional colleagues fostering mutual respect and shared decision making to enhance health outcomes.
3. Recognize the trends and issues in midwifery and obstetrical nursing.
4. Review and describe the anatomy and physiology of human reproductive system and conception.
5. Describe and apply physiology in the management of normal pregnancy, birth and puerperium.
6. Demonstrate competency in providing respectful and evidence based maternity care for women during the antenatal, intranatal and postnatal period.
7. Uphold the fundamental human rights of individuals when providing midwifery care.
8. Promote physiologic labour and birth, and conduct normal childbirth.
9. Provide evidence based essential newborn care.
10. Apply nursing process approach in caring for women and their families.
11. Describe the methods of contraception and role of nurse/midwife in family welfare services.
12. Recognize the importance of and actively participate in family welfare programs.
13. Provide youth friendly health services and care for women affected by gender based violence.

COURSE OUTLINE

T – Theory, SL/L – Skill Lab/Lab, C – Clinical

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	8 (T)	Explain the history and current scenario of midwifery in India Review vital health	Introduction to midwifery • History of midwifery in India • <i>Current scenario:</i> ○ Trends of maternity care in India ○ Midwifery in India – Transformative education for relationship based and transformative midwifery practice in India • Vital health indicators – Maternal mortality ratio, Infant Mortality Rate,	• Discussion • Demonstration • Role play • Directed reading and assignment: ICM competencies • Scenario based learning	• Short answer • Objective type • Essay • Quiz

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		indicators Describe the various national health programs related to RMNCH+A Identify the trends and issues in midwifery Discuss the legal and ethical issues relevant to midwifery practice	Neonatal Mortality Rate, perinatal mortality rate, fertility rates ○ Maternal death audit • National health programs related to RMNCH+A (Reproductive Maternal Newborn and Child Health + Adolescent Health) <i>Current trends in midwifery and OBG nursing:</i> ○ Respectful maternity and newborn care (RMNC) ○ Midwifery-led care units (MLCU) ○ Women centered care, physiologic birthing and demedicalization of birth ○ Birthing centers, water birth, lotus birth ○ Essential competencies for midwifery practice (ICM) ○ Universal rights of child-bearing women ○ Sexual and reproductive health and rights ○ Women's expectations & choices about care <i>Legal provisions in midwifery practice in India:</i> • INC/MOH&FW regulations • ICM code of ethics • Ethical issues in maternal and neonatal care • Adoption laws, MTP act, Pre-Natal Diagnostic Test (PNDT) Act, Surrogate mothers • Roles and responsibilities of a midwife/Nurse practitioner midwife in different settings (hospital/ community) • Scope of practice for midwives		
II	6 (T) 3 (L)	Review the anatomy and physiology of human reproductive system	Anatomy and physiology of human reproductive system and conception (Maternal, Fetal & Newborn physiology) <i>Review:</i> • Female organs of reproduction • Female pelvis – bones, joints, ligaments, planes, diameters, landmarks, inclination, pelvic variations • Foetal skull – bones, sutures,	• Lecture • Discussion • Self-directed learning • Models • Videos & films	• Quiz • Short answer • Essay

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			fontanelles, diameters, moulding - Fetopelvic relationship - Physiology of menstrual cycle, menstrual hygiene - Fertilization, conception and implantation - Embryological development - Placental development and function, placental barrier - Fetal growth and development - Fetal circulation & nutrition		
III	12 (T) 10 (L) 40 (C)	Provide preconception care to eligible couples Describe the physiology, assessment and management of normal pregnancy Demonstrate knowledge, attitude and skills of midwifery practice throughout 1 st , 2 nd and 3 rd	Assessment and management of normal pregnancy (ante-natal): Pre-pregnancy Care - Review of sexual development (<i>Self Learning</i>) - Socio-cultural aspects of human sexuality (<i>Self Learning</i>) - Preconception care - Pre-conception counseling (including awareness regarding normal birth) Genetic counseling (<i>Self Learning</i>) - Planned parenthood Pregnancy assessment and antenatal care (I, II & III Trimesters) Normal pregnancy - Physiological changes during pregnancy - Assess and confirm pregnancy: Diagnosis of pregnancy – Signs, differential diagnosis and confirmatory tests - Review of maternal nutrition & malnutrition - Building partnership with women following RMC protocol - Fathers' engagement in maternity care Ante-natal care: 1st Trimesters - Antenatal assessment: History taking, physical examination, breast examination, laboratory investigation - Identification and management of minor discomforts of pregnancy	- Lecture - Discussion - Demonstration - Self-Learning - Health talk - Role play - Counseling session - Case discussion/presentation - Simulation - Supervised clinical practice - Refer SBA module & Safe motherhood	- Short answer - Objective type - Assessment of skills with check list - Case study evaluation - OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
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		trimesters	• Antenatal care : as per GoI guidelines • Antenatal counseling (lifestyle changes, nutrition, shared decision making, risky behavior, sexual life during pregnancy, immunization etc.) • Danger signs during pregnancy • Respectful care and compassionate communication • Recording and reporting: as per the GoI guidelines • Role of Doula/ASHAs II Trimester • Antenatal assessment: abdominal palpation, fetal assessment, auscultate fetal heart rate – Doppler and pinnard's stethoscope • Assessment of fetal well-being: DFMC, biophysical profile, Non stress test, cardio-tocography, USG, Vibro acoustic stimulation, biochemical tests. • Antenatal care • Women centered care • Respectful care and compassionate communication • Health education on IFA, calcium and vitamin D supplementation, glucose tolerance test, etc. • Education and management of physiological changes and discomforts of 2nd trimester • Rh negative and prophylactic anti D • Referral and collaboration, empowerment • Ongoing risk assessment • Maternal Mental Health III Trimester • Antenatal assessment: abdominal palpation, fetal assessment, auscultate fetal heart rate – Doppler and pinnard's stethoscope • Education and management of physiological changes and discomforts of 3rd trimester • Third trimester tests and screening • Fetal engagement in late pregnancy • Childbirth preparation classes	booklet • Lab tests – performance and interpretation • Demonstration • Roleplay • Demonstration of antenatal assessment	
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Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			• Birth preparedness and complication readiness including micro birth planning • Danger signs of pregnancy – recognition of ruptured membranes • Education on alternative birthing positions – women's preferred choices, birth companion • Ongoing risk assessment • Cultural needs • Women centered care • Respectful and compassionate communication • Health education on exclusive breastfeeding • Role of Doula/ASHA's	• Scenario based learning • Lecture • Simulation • Role play • Refer GoI Guidelines • Health talk • Counseling session • Demonstration of birthing positions • Workshop on alternative birthing positions	
IV	12 (T) 12 (L) 80 (C)	Apply the physiology of labour in promoting normal childbirth Describe the management and care during labour Discuss how to maintain a safe environment for labour Work effectively for pain management during labour	Physiology, management and care during labour • Normal labour and birth • Onset of birth/labour • Per vaginal examination (if necessary) • Stages of labour • Organization of labour room – Triage, preparation for birth • Positive birth environment • Respectful care and communication • Drugs used in labour as per GoI guidelines Fist Stage • Physiology of normal labour • Monitoring progress of labour using Partograph/labour care guide • Assessing and monitoring fetal well being • Evidence based care during 1st stage of labour • Pain management in labour (non-pharmacological) • Psychological support – Managing fear • Activity and ambulation during first stage of labour	• Lecture • Discussion • Demonstration • Bedside clinics • Case discussion/ presentation • Simulated practice • Supervised Clinical practice – Per vaginal examination, Conduction of normal childbirth • Refer SBA module • LaQshya guidelines • Dakshata guidelines	• Essay type • Short answer • Objective type • Case study evaluation • Assessment of skills with check list • OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		Discuss how the midwife provides care and support for the women during birth to enhance physiological birthing and promote normal birth Assess and provide care of the newborn immediately following birth Discuss the impact of labour and birth as a transitional event in the woman's life	• Nutrition during labour • Promote positive childbirth experience for women • Birth companion • Role of Doula/ASHA's Second stage • Physiology (Mechanism of labour) • Signs of imminent labour • Intrapartum monitoring • Birth position of choice • Vaginal examination • Psychological support • Non-directive coaching • Evidence based management of physiological birth/Conduction of normal childbirth • Essential newborn care (ENBC) • Immediate assessment and care of the newborn • Role of Doula/ASHA's Third Stage • Physiology – placental separation and expulsion, hemostasis • Physiological management of third stage of labour • Active management of third stage of labour (recommended) • Examination of placenta, membranes and vessels • Assess perineal, vaginal tear/ injuries and suture if required • Insertion of postpartum IUCD • Immediate perineal care • Initiation of breast feeding • Skin to skin contact • Newborn resuscitation Fourth Stage <i>Observation, Critical Analysis and Management of mother and newborn</i> • Maternal assessment, observation fundal height, uterine consistency, urine output, blood loss • Documentation and Record of birth	• Refer ENBC, NSSK module • Demonstration • Group work • Scenario based learning • Simulation • Role play • Demonstration • Videos	

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		Ensure initiation of breast feeding and adequate latching	- Breastfeeding and latching - Managing uterine cramp - Alternative/complementary therapies - Role of Doula/ASHA's - Various childbirth practices - Safe environment for mother and newborn to promote bonding - Maintaining records and reports		
V	7 (T) 6 (L) 40 (C)	Describe the physiology, management and care of normal puerperium	Postpartum care/Ongoing care of women - Normal puerperium – Physiology, duration - Post-natal assessment and care – facility and home-based care - Perineal hygiene and care - Bladder and bowel function - Minor disorders of puerperium and its management - Physiology of lactation and lactation management - Postnatal counseling and psychological support - Normal postnatal baby blues and recognition of post-natal depression - Transition to parenthood - Care for the woman up to 6 weeks after childbirth - Cultural competence (Taboos related to postnatal diet and practices) - Diet during lactation-review - Post-partum family planning - Follow-up of postnatal mothers - Drugs used in the postnatal period - Records and reports	- Lecture - Discussion - Demonstration - Health talk - Simulated practice - Supervised clinical practice - Refer SBA module	- Essay type - Short answer - Objective type - Assessment of skills with checklist - OSCE
VI	7 (T) 7 (L) 40 (C)	Discuss the need for and provision of compassionate, family centered midwifery care of the newborn Describe the assessment and care of normal neonate	Assessment and ongoing care of normal neonates - Family centered care - Respectful newborn care and communication - Normal Neonate – Physiological adaptation - Newborn assessment – Screening for congenital anomalies - Care of newborn up to 6 weeks after	- Lecture - Discussion - Demonstration - Simulated practice session - Supervised clinical practice - Refer safe deliver app module – newborn	- Essay type - Short answer - Objective type - Assessment of skills with checklist - OSCE

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			the childbirth (Routine care of newborn) • Skin to skin contact and thermoregulation • Infection prevention • Immunization • Minor disorders of newborn and its management	management • Partial completion of SBA module	
VII	8 (T) 2 (L) 40 (C)	Explain various methods of family planning and role of nurse/midwife in providing family planning services Describe youth friendly services and role of nurses/ midwives Recognize the role of nurses/midwives in gender based violence	Family welfare services • Impact of early/frequent childbearing • Comprehensive range of family planning methods ◦ Temporary methods – Hormonal, non-hormonal and barrier methods ◦ Permanent methods – Male sterilization and female sterilization • Action, effectiveness, advantages, disadvantages, myths, misconception and medical eligibility criteria (MEC) for use of various family planning methods • Emergency contraceptives • Recent trends and research in contraception • Family planning counseling using Balanced Counseling Strategy (BCS) • Legal and rights aspects of FP • Human rights aspects of FP adolescents • Youth friendly services – SRHR services, policies affecting SRHR and attitude of nurses and midwives in provision of services (Review) • Importance of follow up and recommended timing Gender related issues in SRH • Gender based violence – Physical, sexual and abuse, Laws affecting GBV and role of nurse/midwife • Special courts for abused people • Gender sensitive health services including family planning	• Lecture • Supervised practice • Field visits • Scenario based learning • Discussion • GoI guidelines – injectable contraceptives, oral contraceptives, IUCD, male and female sterilization	• Essay type • Short answers • Objective type • Field visit reports • Vignettes

PRACTICUM

PLACEMENT: VI & VII SEMESTER

VI SEMESTER: MIDWIFERY/OBSTETRICS AND GYNECOLOGY (OBG) NURSING - I

SKILL LAB & CLINICAL: Skill Lab – 1 Credit (40 hours); Clinical – 3 Credits (240 hours)

PRACTICE COMPETENCIES: On completion of the course, the students will be able to:

1. Counsel women and their families on pre-conception care
2. Demonstrate lab tests ex. urine pregnancy test
3. Perform antenatal assessment of pregnant women
4. Assess and care for normal antenatal mothers
5. Assist and perform specific investigations for antenatal mothers
6. Counsel mothers and their families on antenatal care and preparation for parenthood
7. Conduct childbirth education classes
8. Organize labour room
9. Prepare and provide respectful maternity care for mothers in labour
10. Perform per-vaginal examination for a woman in labour if indicated
11. Conduct normal childbirth with essential newborn care
12. Demonstrate skills in resuscitating the newborn
13. Assist women in the transition to motherhood
14. Perform postnatal and newborn assessment
15. Provide care for postnatal mothers and their newborn
16. Counsel mothers on postnatal and newborn care
17. Perform PPIUCD insertion and removal
18. Counsel women on family planning and participate in family welfare services
19. Provide youth friendly health services
20. Identify, assess, care and refer women affected with gender based violence

SKILL LAB: Procedures/Skills for demonstration and return demonstration:

1. Urine pregnancy test
2. Calculation of EDD, Obstetrical score, gestational weeks
3. Antenatal assessment
4. Counseling antenatal mothers
5. Micro birth planning
6. PV examination
7. Monitoring during first stage of labour – Plotting and interpretation of partograph
8. Preparation for delivery – setting up labour room, articles, equipment
9. Mechanism of labour – normal
10. Conduction of normal childbirth with essential newborn care
11. Active management of third stage of labour
12. Placental examination
13. Newborn resuscitation
14. Monitoring during fourth stage of labour
15. Postnatal assessment

16. Newborn assessment
17. Kangaroo mother care
18. Family planning counseling
19. PPIUCD insertion and removal

CLINICAL POSTINGS (6 weeks × 40 hours per week = 240 hours)

Clinical Area	Duration (weeks)	Clinical Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Antenatal OPD and Antenatal ward	1 week	Perform antenatal assessment Perform laboratory tests for antenatal women and assist in selected antenatal diagnostic procedures Counsel antenatal women	- History collection - Physical examination - Obstetric examination - Pregnancy confirmation test - Urine testing - Blood testing for Hemoglobin, grouping & typing - Blood test for malaria - KICK chart - USG/NST - Antenatal counseling - Preparation for childbirth - Birth preparedness and complication readiness	- Antenatal palpation - Health talk - Case study	- OSCE - Case presentation
Labour room	3 weeks	Monitor labour using partograph Provide care to women during labour Conduct normal childbirth, provide care to mother and immediate care of newborn	- Assessment of woman in labour - Partograph - Per vaginal examination when indicated - Care during first stage of labour - Pain management techniques - Upright and alternative positions in labour - Preparation for labour – articles, physical, psychological - Conduction of normal childbirth - Essential newborn care - Newborn resuscitation - Active management of third stage of labour - Monitoring and care during fourth stage of labour	- Partograph recording - PV examination - Assisting/ Conduction of normal childbirth - Case study - Case presentation - Episiotomy and suturing if indicated - Newborn resuscitation	- Assignment - case study - Case presentation - OSCE
Post-partum clinic and Postnatal Ward including FP unit	2 weeks	Perform postnatal assessment Provide care to normal postnatal mothers and newborn	- Postnatal assessment - Care of postnatal mothers – normal - Care of normal newborn - Lactation management	- Postnatal assessment - Newborn assessment - Case study	- Assignment - Case study - Case presentation

Clinical Area	Duration (weeks)	Clinical Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
		Provide postnatal counseling Provide family welfare services	• Postnatal counseling • Health teaching on postnatal and newborn care • Family welfare counseling	• Case presentation • PPIUCD insertion & removal	

Note: Partial Completion of SBA module during VI semester

VII SEMESTER

MIDWIFERY/OBSTETRICS AND GYNECOLOGY (OBG) NURSING - II

PRACTICUM

SKILL LAB & CLINICAL: Skill Lab – 1 Credit (40 hours); Clinical – 4 Credits (320 hours)

PRACTICE COMPETENCIES: On completion of the course, the students will be able to:

1. Identify, stabilize and refer antenatal women with complications
2. Provide care to antenatal women with complications
3. Provide post abortion care& counselling
4. Assist in the conduction of abnormal vaginal deliveries and caesarean section.
5. Demonstrate skills in resuscitating the newborn
6. Assist and manage complications during labour
7. Identify postnatal and neonatal complications, stabilize and refer them
8. Provide care for high risk antenatal, intranatal and postnatal women and their families using nursing process approach
9. Provide care for high risk newborn
10. Assist in advanced clinical procedures in midwifery and obstetric nursing
11. Provide care for women during their non childbearing period.
12. Assess and care for women with gynecological disorders
13. Demonstrate skills in performing and assisting in specific gynecological procedures
14. Counsel and care for couples with infertility

SKILL LAB: Procedures/Skills for demonstration and return demonstration:

1. Antenatal assessment and identification of complications
2. Post abortion care & counseling
3. Counseling antenatal women for complication readiness
4. Mechanism of labour – abnormal
5. Assisting in the conduction of abnormal vaginal deliveries and caesarean section.
6. Management of complications during pregnancy/labour/post partum (case studies/simulated scenarios)
7. Administration of Inj. Magnesium sulphate
8. Starting and maintaining an oxytocin drip for PPH
9. Management of PPH – Bimanual compression of uterus
10. Management of PPH – Balloon tamponade
11. Instruments used in obstetrics and gynecology
12. Visual inspection of cervix with acetic acid
13. Cervical biopsy
14. Breast examination
15. Counseling of infertile couples

CLINICAL POSTINGS (8 weeks × 40 hours per week = 320 hours)

Clinical Areas	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Antenatal OPD/ infertility clinics/ Reproductive medicine and antenatal ward	2 weeks	Perform/assist in selected advanced antenatal diagnostic procedures Provide antenatal care for women with complications of pregnancy Counsel antenatal mothers Provide post abortion care and postnatal counselling Provide counselling and support to infertile couples	• Kick chart, DFMC • Assist in NST/CTG/USG • Assisting in advanced diagnostic procedures • Care of antenatal women with complications in pregnancy • Antenatal counselling • Preparation for childbirth, Birth preparedness and complication readiness • Post abortion care • Post abortion counselling • Counselling infertile couples	• Antenatal palpation • Health talk • Case study	• Simulation • Case presentation • OSCE
Labour room	2 weeks	Conduction of normal childbirth Conduct/assist in abnormal deliveries Monitor labour using partograph Identify and manage complications during labour	• Assessment of woman in labour • Partograph • Pervaginal examination if indicated • Obstetric examination • Care during first stage of labour • Pain management techniques • Upright and alternative positions in labour • Preparation for labour – attitudes, physical, psychological • Conduction of normal childbirth • Essential newborn care • Newborn resuscitation • Active management of third stage of labour • Monitoring and care during fourth stage of labour • Identification, stabilization, referral and assisting in management of prolonged labour, cervical dystocia, CPD, contracted pelvis • Assist in the management of	• Partograph recording • Pain management during labour • Conduction of normal childbirth • Assisting in abnormal deliveries • Managing complication during labour • Case study • Case presentation	• Assignment • Case study • Case presentation • Simulation • OSCE

Clinical Areas	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
			abnormal deliveries – posterior position, breech deliveries, twin deliveries, vacuum extraction, forceps delivery, shoulder dystocia - Assist in cervical encirclement procedures, D&C, D&E - Identify, assist and manage trauma to the birth canal, retained placenta, post partum hemorrhage, uterine atony - Management of obstetric shock		
Postnatal Ward	1 week	Perform postnatal assessment and identify postnatal complications Provide postnatal care Provide family welfare services	- Postnatal history collection and physical examination - Identify postnatal complications - Care of postnatal mothers – abnormal deliveries, caesarean section - Care of normal newborn - Lactation management - Postnatal counselling - Health teaching on postnatal and newborn care - Family welfare counselling	- Health talk - Postnatal assessment - Newborn assessment - Case studies - Case presentation - PPIUCD insertion and removal	- Role play - Assignment - Case study - Case presentation - Simulation - Vignettes - OSCE
Neonatal Intensive Care Unit	1week	Perform assessment of newborn and identify complications/congenital anomalies Perform neonatal resuscitation Care of high risk newborn Provide care for newborns in ventilator, incubator etc Assist/perform special neonatal procedures	- Neonatal assessment – identification of complication, congenital anomalies. - Observation of newborn - Neonatal resuscitation - Phototherapy and management of jaundice in newborn - Assist in Exchange transfusion - Neonatal feeding – spoon and katori, paladai, NG tube - Care of baby in incubator, ventilator, warmer - Infection control in the nursery - Neonatal medications - Starting IV line for newborn, drug calculation	- Case study - Case presentation - Assignments - Simulated practice	- Case presentation - Care study - Care plan - Simulation, Vignettes - OSCE
Obstetric/ Gynae operation theatre & Gynecology	2weeks	Assist in gynecological and obstetric surgeries	- Observe/Assist in caesarean section - Management of retained placenta	- Assisting in obstetric and gynecological surgery - Tray set-up for	- Assignment - Tray set-up for obstetric and gynecological surgeries

Clinical Areas	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
ward		Care for women with gynecological disorders	- Gynecological surgeries - Hysterectomy - Uterine rupture - Care of women with gynecological conditions - Health education	- caesarean section - Care plan	- Case presentation - Simulation - Vignettes

Note: Completion of safe delivery App module during VII Semester

COMMUNITY HEALTH NURSING – II

PLACEMENT: VII SEMESTER

THEORY: 5 Credits (100 hours) – includes lab hours also

PRACTICUM: Clinical: 2 Credit (160 hours)

DESCRIPTION: This course is designed to help students gain broad perspective of specialized roles and responsibilities of community health nurses and to practice in various specialized health care settings. It helps students to develop knowledge and competencies required for assessment, diagnosis, treatment, and nursing management of individuals and families within the community in wellness and illness continuum.

COMPETENCIES: On completion of the course, the students will be able to

1. Demonstrate beginning practice competencies/skills relevant to provide comprehensive primary health care/community-based care to clients with common diseases and disorders including emergency and first aid care at home/clinics/centres as per predetermined protocols/drug standing orders approved by MOH&FW
2. Provide maternal, newborn and child care, and reproductive health including adolescent care in the urban and rural health care settings
3. Describe the methods of collection and interpretation of demographic data
4. Explain population control and its impact on the society and describe the approaches towards limiting family size
5. Describe occupational health hazards, occupational diseases and the role of nurses in occupational health programs
6. Identify health problems of older adults and provide primary care, counseling and supportive health services
7. Participate in screening for mental health problems in the community and providing appropriate referral services
8. Discuss the methods of data collection for HMIS, analysis and interpretation of data
9. Discuss about effective management of health information in community diagnosis and intervention
10. Describe the management system of delivery of community health services in rural and urban areas
11. Describe the leadership role in guiding, supervising, and monitoring the health services and the personnel at the PHCs, SCs and community level including financial management and maintenance of records & reports
12. Describe the roles and responsibilities of Mid-Level Health Care Providers (MHCPs) in Health Wellness Centers (HWCs)
13. Identify the roles and responsibilities of health team members and explain their job description
14. Demonstrate initiative in preparing themselves and the community for disaster preparedness and management
15. Demonstrate skills in proper bio-medical waste management as per protocols
16. Explain the roles and functions of various national and international health agencies

COURSE OUTLINE

T – Theory

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
I	10 (T)	Explain nurses' role in identification, primary management and referral of clients with common disorders/ conditions and emergencies including first aid	Management of common conditions and emergencies including first aid • Standing orders: Definition, uses Screening, diagnosing/ identification, primary care and referral of Gastrointestinal System ○ Abdominal pain ○ Nausea and vomiting ○ Diarrhea ○ Constipation ○ Jaundice ○ GI bleeding ○ Abdominal distension ○ Dysphagia and dyspepsia ○ Aphthous ulcers Respiratory System ○ Acute upper respiratory infections – Rhinitis, Sinusitis, Pharyngitis, Laryngitis, Tonsillitis ○ Acute lower respiratory infections – Bronchitis, pneumonia and bronchial asthma ○ Hemoptysis, Acute chest pain Heart & Blood ○ Common heart diseases – Heart attack/coronary artery disease, heart failure, arrhythmia ○ Blood anemia, blood cancers, bleeding disorders Eye & ENT conditions • Eye – local infections, redness of eye, conjunctivitis, sty, trachoma and refractive errors • ENT – Epistaxis, ASOM, sore throat, deafness Urinary System • Urinary tract infections – cystitis, pyelonephritis, prostatitis, UTIs in children First aid in common emergency conditions – Review • High fever, low blood sugar, minor injuries, fractures, fainting, bleeding, shock, stroke, bites, burns, choking, seizures, RTAs, poisoning, drowning and foreign bodies	• Lecture • Discussion • Demonstration • Role play • Suggested field visits • Field practice • Assessment of clients with common conditions and provide referral	• Short answer • Essay • Field visit reports • OSCE assessment

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
II	20 (T)	Provide reproductive, maternal, newborn and childcare, including adolescent care in the urban and rural health care settings	Reproductive, maternal, newborn, child and adolescent Health (Review from OBG Nursing and application in community setting) • Present situation of reproductive, maternal and child health in India Antenatal care • Objectives, antenatal visits and examination, nutrition during pregnancy, counseling • Calcium and iron supplementation in pregnancy • Antenatal care at health centre level • Birth preparedness • High risk approach – Screening/early identification and primary management of complications – Antepartum hemorrhage, pre-eclampsia, eclampsia, Anemia, Gestational diabetes mellitus, Hypothyroidism, Syphilis • Referral, follow up and maintenance of records and reports Intra natal care • Normal labour – process, onset, stages of labour • Monitoring and active management of different stages of labour • Care of women after labour • Early identification, primary management, referral and follow up – preterm labour, fetal distress, prolonged and obstructed labour, vaginal & perineal tears, ruptured uterus • Care of newborn immediately after birth • Maintenance of records and reports • Use of Safe child birth check list • SBA module – Review • Organization of labour room Postpartum care • Objectives, Postnatal visits, care of mother and baby, breast feeding, diet during lactation, and health counseling • Early identification, primary management, referral and follow up of complications, Danger signs-postpartum hemorrhage, shock, puerperal sepsis, breast conditions, post-partum depression • Postpartum visit by health care provider	• Lecture • Discussion • Demonstration • Role play • Suggested field visits and field practice • Assessment of antenatal, postnatal, newborn, infant, preschool child, school child, and adolescent health	• Short answer • Essay • OSCE assessment

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
		Promote adolescent health and youth friendly services	Newborn and child care • Review: Essential newborn care • Management of common neonatal problems • Management of common child health problems: Pneumonia, Diarrhoea, Sepsis, screening for congenital anomalies and referral • Review: IMNCI Module • Under five clinics Adolescent Health • Common health problems and risk factors in adolescent girls and boys • Common Gynecological conditions – dysmenorrhea, Premenstrual Syndrome (PMS), Vaginal discharge, Mastitis, Breast lump, pelvic pain, pelvic organ prolapse • Teenage pregnancy, awareness about legal age of marriage, nutritional status of adolescents National Menstrual Hygiene scheme • Youth friendly services: ○ SRH Service needs ○ Role and attitude of nurses: Privacy, confidentiality, non judgemental attitude, client autonomy, respectful care and communication • Counseling for parents and teenagers (BCS – balanced counseling strategy) National Programs • RMNCH+A Approach – Aims, Health systems strengthening, RMNCH+A strategies, Interventions across life stages, program management, monitoring and evaluation systems • Universal Immunization Program (UIP) as per Government of India guidelines – Review • Rashtriya Bal Swasthya Karyakaram (RSBK) -children • Rashtriya Kishor Swasthya Karyakram (RKSK) – adolescents Any other new programs	• Screen, manage and refer adolescents • Counsel adolescents	

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
III	4 (T)	Discuss the concepts and scope of demography	Demography, Surveillance and Interpretation of Data • <i>Demography and vital statistics</i> – demographic cycle, world population trends, vital statistics • Sex ratio and child sex ratio, trends of sex ratio in India, the causes and social implications • <i>Sources of vital statistics</i> – Census, registration of vital events, sample registration system • <i>Morbidity and mortality indicators</i> – Definition, calculation and interpretation • Surveillance, Integrated disease surveillance project (IDSP), Organization of IDSP, flow of information and mother and child tracking system (MCTS) in India • Collection, analysis, interpretation, use of data • <i>Review</i>: Common sampling techniques – random and nonrandom techniques • Disaggregation of data	• Lecture • Discussion • Demonstration • Role play • Suggested field visits • Field practice	• Short answer • Essay
IV	6 (T)	Discuss population explosion and its impact on social and economic development of India Describe the various methods of population control	Population and its Control • Population Explosion and its impact on Social, Economic development of individual, society and country. • Population Control – Women Empowerment; Social, Economic and Educational Development • Limiting Family Size – Promotion of small family norm, Temporary Spacing Methods (natural, biological, chemical, mechanical methods etc.), Terminal Methods (Tubectomy, Vasectomy) • Emergency Contraception • Counseling in reproductive, sexual health including problems of adolescents • Medical Termination of pregnancy and MTP Act • National Population Stabilization Fund/JSK (Jansankhya Sthirata Kosh) • Family planning 2020 • National Family Welfare Program • Role of a nurse in Family Welfare Program	• Lecture • Discussion • Demonstration • Role play • Suggested field visits • Field practice	• Short answer • Essay • OSCE assessment • Counseling on family planning
V	5 (T)	Describe occupational health hazards, occupational diseases and the role of nurses in	Occupational Health • Occupational health hazards • Occupational diseases • ESI Act	• Lecture • Discussion • Demonstration • Role play	• Essay • Short answer • Clinical performance

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
		occupational health programs	- National/ State Occupational Health Programs - Role of a nurse in occupational health services – Screening, diagnosing, management and referral of clients with occupational health problems	- Suggested field visits - Field practice	evaluation
VI	6 (T)	Identify health problems of older adults and provide primary care, counseling and supportive health services	Geriatric Health Care - Health problems of older adults - Management of common geriatric ailments: counseling, supportive treatment of older adults - Organization of geriatric health services - National program for health care of elderly (NPHCE) - State level programs/Schemes for older adults - Role of a community health nurse in geriatric health services – Screening, diagnosing, management and referral of older adults with health problems	- Lecture - Discussion - Demonstration	- Visit report on elderly home - Essay - Short answer
VII	6 (T)	Describe screening for mental health problems in the community, take preventive measures and provide appropriate referral services	Mental Health Disorders - Screening, management, prevention and referral for mental health disorders - Review: - Depression, anxiety, acute psychosis, Schizophrenia - Dementia - Suicide - Alcohol and substance abuse - Drug deaddiction program - National Mental Health Program - National Mental Health Policy - National Mental Health Act - Role of a community health nurse in screening, initiation of treatment and follow up of mentally ill clients	- Lecture - Discussion - Demonstration - Role play - Health counseling on promotion of mental health - Suggested field visits - Field practice	- Essay - Short answer - Counseling report
VIII	4 (T)	Discuss about effective management of health information in community diagnosis and intervention	Health Management Information System (HMIS) - Introduction to health management system: data elements, recording and reporting formats, data quality issues - Review: - Basic Demography and vital statistics - Sources of vital statistics - Common sampling techniques, frequency distribution	- Lecture - Discussion - Demonstration - Role play - Suggested field visits - Field practice - Group project on community diagnosis – data	- Group project report - Essay - Short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
			- Collection, analysis, interpretation of data - Analysis of data for community needs assessment and preparation of health action plan	management	
IX	12 (T)	Describe the system management of delivery of community health services in rural and urban areas	Management of delivery of community health services: - Planning, budgeting and material management of CHC, PHC, SC/HWC Manpower planning as per IPHS standards Rural: Organization, staffing and material management of rural health services provided by Government at village, SC/HWC, PHC, CHC, hospitals – district, state and central Urban: Organization, staffing, and functions of urban health services provided by Government at slums, dispensaries, special clinics, municipal and corporate hospitals - Defense services - Institutional services - Other systems of medicine and health: Indian system of medicine, AYUSH clinics, Alternative health care system referral systems, Indigenous health services	- Lecture - Discussion - Visits to various health care delivery systems - Supervised field practice	- Essay - Short answer - Filed visit reports
X	15 (T)	Describe the leadership role in guiding, supervising, and monitoring the health services and the personnel at the PHCs, SCs and community level including financial management Describe the roles and responsibilities of Mid-Level Health Care Providers (MHCPs) in Health Wellness Centers (HWCs)	Leadership, Supervision and Monitoring - Understanding work responsibilities/job description of DPHN, Health Visitor, PHN, MPHW (Female), Multipurpose health Worker (Male), AWWs and ASHA - Roles and responsibilities of Mid-Level Health Care Providers (MLHPs) - Village Health Sanitation and Nutrition Committees (VHSNC): objectives, composition and roles & responsibilities - Health team management - Review: Leadership & supervision – concepts, principles & methods - Leadership in health: leadership approaches in healthcare setting, taking control of health of community and organizing health camps, village clinics - Training, Supportive supervision and monitoring – concepts, principles and process e.g. performance of frontline health workers Financial Management and Accounting & Computing at Health Centers (SC) - Activities for which funds are received	- Lecture - Discussion - Demonstration - Role play - Suggested field visits - Field practice	- Report on interaction with MPHWS, HVs, ASHA, AWWs - Participation in training programs - Essay - Short answer

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
			- Accounting and book keeping requirements – accounting principles & policies, book of accounts to be maintained, basic accounting entries, accounting process, payments & expenditure, fixed asset, SOE reporting format, utilization certificate (UC) reporting - Preparing a budget - Audit Records & Reports: <i>Concepts of records and reports</i> – importance, legal implications, purposes, use of records, principles of record writing, filing of records <i>Types of records</i> – community related records, registers, guidelines for maintaining <i>Report writing</i> – purposes, documentation of activities, types of reports <i>Medical Records Department</i> – functions, filing and retention of medical records <i>Electronic Medical Records (EMR)</i> – capabilities and components of EMR, electronic health record (EHR), levels of automation, attributes, benefits and disadvantages of HER Nurses’ responsibility in record keeping and reporting		
XI	6 (T)	Demonstrate initiative in preparing themselves and the community for disaster preparedness and management	Disaster Management - Disaster types and magnitude - Disaster preparedness - Emergency preparedness - Common problems during disasters and methods to overcome - Basic disaster supplies kit - Disaster response including emergency relief measures and Life saving techniques Use disaster management module	- Lecture - Discussion - Demonstration - Role play - Suggested field visits, and field practice - Mock drills - Refer Disaster module (NDMA) National Disaster/INC – Reaching out in emergencies	
XII	3 (T)	Describe the importance of bio-medical waste management, its process and management	Bio-Medical Waste Management - Waste collection, segregation, transportation and management in the community - Waste management in health center/clinics - Bio-medical waste management guidelines – 2016, 2018 (Review)	- Lecture cum Discussion - Field visit to waste management site	Field visit report

XIII	3 (T)	Explain the roles and functions of	Health Agencies	• Lecture	• Essay
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Unit	Time (Hrs)	Learning Outcomes	Content	Teaching / Learning Activities	Assessment Methods
		various national and international health agencies	• International: WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, European Commission, Red Cross, USAID, UNESCO, ILO, CAR, CIDA, JHPIEGO, any other • National: Indian Red Cross, Indian Council for Child Welfare, Family Planning Association of India, Tuberculosis Association of India, Central Social Welfare Board, All India Women's Conference, Blind Association of India, any other • Voluntary Health Association of India (VHA)	• Discussion • Field visits	• Short answer

COMMUNITY HEALTH NURSING II

Clinical practicum – 2 credits (160 hours)

CLINICAL POSTINGS (4 weeks × 40 hours per week)

Clinical Area	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Urban	2 weeks	Screen, diagnose, manage and refer clients with common conditions/ emergencies	• Screening, diagnosing, management and referral of clients with common conditions/ emergencies • Assessment (physical & nutritional) of antenatal, intrapartum, postnatal and newborn • Conduction of normal delivery at health center • Newborn care • Counsel adolescents • Family planning counselling • Distribution of temporary contraceptives – condoms, OCP's, emergency contraceptives	• Screening, diagnosing, Primary management and care based on standing orders/protocols approved by MOH&FW • Minor ailments – 2 • Emergencies – 1 • Dental problems – 1 • Eye problems – 1 • Ear, nose, and throat problems – 1 • High risk pregnant woman – 1 • High risk neonate – 1 • Assessment of antenatal – 1, intrapartum – 1, postnatal – 1 and newborn – 1 • Conduction of normal delivery at health center and documentation – 2 • Immediate newborn care and documentation – 1 • Adolescent counseling – 1 • Family planning counselling –	• Clinical performance assessment • OSCE during posting • Final clinical examination (University) • Clinical performance assessment • OSCE
Rural	2 Weeks	Assess and provide antenatal, intrapartum, postnatal and new- born care Promote adolescent health			

Clinical Area	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
		Provide family welfare services Screen, diagnose, manage and refer clients with occupational health problem Screen, assess and manage elderly with health problems and refer appropriately Screen, diagnose, manage and refer clients who are mentally unhealthy Participate in community diagnosis – data management Participate in health centre activities Organize and conduct clinics/health camps in the community Prepare for disaster preparedness and management Recognize the importance and observe the biomedical waste management process	- Screening, diagnosing, management and referral of clients with occupational health problems - Health assessment of elderly - Mental health screening - Participation in Community diagnosis – data management - Writing health center activity report - Organizing and conducting clinics/camp - Participation in disaster mock drills	1 - Family case study – 1 (Rural/Urban) - Screening, diagnosing, management and referral of clients with occupational health problems – 1 - Health assessment (Physical & nutritional) of elderly – 1 - Mental health screening survey – 1 Group project: Community diagnosis – data management - Write report on health center activities – 1 - Organizing and conducting Antenatal/under-five clinic/Health camp – 1 - Participation in disaster mock drills - Field visit to bio-medical waste management site - Visit to AYUSH clinic	- Family Case study evaluation - Clinical performance evaluation - OSCE - Project evaluation

NURSING RESEARCH AND STATISTICS

PLACEMENT: VII SEMESTER

THEORY: 2 Credits (40 hours)

PRACTICUM: Lab/Skill Lab: 1 Credit (40 hours) Clinical Project: 40 hours

DESCRIPTION: The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need-based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

COMPETENCIES: On completion of the course, students will be competent to

1. Identify research priority areas
2. Formulate research questions/problem statement/hypotheses
3. Review related literature on selected research problem and prepare annotated bibliography
4. Prepare sample data collection tool
5. Analyze and interpret the given data
6. Practice computing, descriptive statistics and correlation
7. Draw figures and types of graphs on given select data
8. Develop a research proposal
9. Plan and conduct a group/individual research project

COURSE OUTLINE

T – Theory, P – Practicum

Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
I	6		Describe the concept of research, terms, need and areas of research in nursing Explain the steps of research process State the purposes and steps of Evidence Based Practice	Research and Research Process • Introduction and need for nursing research • Definition of Research & nursing research • Steps of scientific method • Characteristics of good research • Steps of Research process – overview • Evidence Based Practice – Concept, Meaning, Purposes, Steps of EBP Process and Barriers	• Lecture cum Discussion • Narrate steps of research process followed from examples of published studies • Identify research priorities on a given area/ specialty • List examples of Evidence Based Practice	• Short answer • Objective type
II	2	8	Identify and state the research problem and objectives	Research Problem/Question • Identification of problem area • Problem statement • Criteria of a good research problem • Writing objectives and hypotheses	• Lecture cum Discussion • Exercise on writing statement of problem and objectives	• Short answer • Objective type • Formulation of research questions/ objectives/ hypothesis

Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
			and graphical presentation of data Describe the measures of central tendency and variability and methods of Correlation	• Frequency distribution and graphical presentation of data • Mean, Median, Mode, Standard deviation • Normal Probability and tests of significance • Co-efficient of correlation • Statistical packages and its application	graphical presentations • Practice on computation of measures of central tendency, variability & correlation	descriptive statistics
VIII	4	5 40 Hrs (Clinical Project)	Communicate and utilize the research findings	Communication and utilization of Research • Communication of research findings • Verbal report • Writing research report • Writing scientific article/paper • Critical review of published research including publication ethics • Utilization of research findings • Conducting group research project	• Lecture cum Discussion • Read/ Presentations of a sample published/ unpublished research report • Plan, conduct and Write individual/group research project	• Short answer • Objective type • Oral Presentation • Development of research proposal • Assessment of research Project

MIDWIFERY/OBSTETRIC AND GYNECOLOGY NURSING - II **including Safe Delivery App Module**

PLACEMENT: VII SEMESTER

THEORY: 3 Credits (60 hours)

PRACTICUM: Skill Lab: 1 Credit (40 Hours) Clinical: 4 Credits (320 Hours)

DESCRIPTION: This course is designed for students to develop knowledge and competencies on the concepts and principles of obstetric and gynecology nursing. It helps them to acquire knowledge and skills in rendering respectful maternity care to high risk woman during antenatal, natal and postnatal periods in hospitals and community settings and help to develop skills in initial management and referral of high risk neonates. It would also help students to gain knowledge, attitude and skills in caring for women with gynecological disorders.

COMPETENCIES: On completion of the course, the students will be able to:

1. Describe the assessment, initial management, referral and respectful maternity care of women with high risk pregnancy.
2. Demonstrate competency in identifying deviation from normal pregnancy.
3. Describe the assessment, initial management, referral and nursing care of women with high risk labour.
4. Assist in the conduction of abnormal vaginal deliveries and caesarean section.
5. Describe the assessment, initial management, referral and nursing care of women with abnormal postnatal conditions.
6. Demonstrate competency in the initial management of complications during the postnatal period.
7. Demonstrate competency in providing care for high risk newborn.
8. Apply nursing process in caring for high risk women and their families.
9. Describe the assessment and management of women with gynecological disorders.

10. Demonstrate skills in performing and assisting in specific gynecological procedures.
11. Describe the drugs used in obstetrics and gynecology.
12. Counsel and care for couples with infertility.
13. Describe artificial reproductive technology.

COURSE OUTLINE

T – Theory, SL/L – Skill Lab, C – Clinical

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	12 (T) 10 (L) 80 (C)	Describe the assessment, initial management, and referral of women with problems during pregnancy Support women with complicated pregnancy and facilitate safe and positive birthing outcome	Recognition and Management of problems during Pregnancy - Assessment of high-risk pregnancy Problems/Complications of Pregnancy - Hyper-emesis gravidarum, - Bleeding in early pregnancy – abortion, ectopic pregnancy, vesicular mole - Unintended or mistimed pregnancy - Post abortion care & counseling - Bleeding in late pregnancy placenta previa, abruption placenta, trauma - Medical conditions complicating pregnancy – Anemia, PIH/Pre-eclampsia, Eclampsia, GDM, cardiac disease, pulmonary disease, thyrotoxicosis, STDs, HIV, Rh incompatibility - Infections in pregnancy – urinary tract infection, bacterial, viral, protozoal, fungal, malaria in pregnancy - Surgical conditions complicating pregnancy – appendicitis, acute abdomen - COVID-19 & pregnancy and children - Hydramnios - Multiple pregnancy - Abnormalities of placenta and cord - Intra uterine growth restriction - Intra uterine fetal death - Gynaecological conditions complicating pregnancy - Mental health issues during pregnancy - Adolescent pregnancy - Elderly primi, grand multiparity - Management and care of conditions as per the GoI protocol - Policy for the referral services	- Lecture - Discussion - Demonstration - Video & films - Scan reports - Case discussion - Case presentation - Drug presentation - Health talk - Simulation - Role play - Supervised Clinical practice - WHO midwifery toolkit - GoI guideline – screening for hypothyroidism, screening for syphilis, deworming during pregnancy, diagnosis and management of GDM	- Essay - Short answer - Objective type - Assessment of skills with check list - OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Drugs used in management of high-risk pregnancies • Maintenance of records and reports		
II	20 (T) 15 (L) 80 (C)	Identify, provide initial management and refer women with problems during labour within the scope of midwifery practice.	Recognition and management of abnormal labour • Preterm labour – Prevention and management of preterm labour; (Use of antenatal corticosteroids in preterm labour) • Premature rupture of membranes • Malposition's and abnormal presentations (posterior position, breech, brow, face, shoulder) • Contracted Pelvis, Cephalo Pelvic Disproportion (CPD) • Disorders of uterine action – Prolonged labour, Precipitate labour, Dysfunctional labour • Complications of third stage – Retained placenta, Injuries to birth canal, Postpartum hemorrhage (bimanual compression of the uterus, aortic compression, uterine balloon tamponade) • Obstetric emergencies – Foetal distress, Ruptured uterus, Cord prolapse, Shoulder dystocia, Uterine inversion, Vasa previa, Obstetrical shock, Amniotic fluid embolism • Episiotomy and suturing • Obstetric procedures – Forceps delivery, Vacuum delivery, Version • Induction of labour – Medical & surgical • Caesarean section – indications and preparation • Nursing management of women undergoing • Obstetric operations and procedures • Drugs used in management of abnormal labour • Anesthesia and analgesia in obstetrics	• Lecture • Discussion • Demonstration • Case discussion/ presentation • Simulation • Role play • Drug presentation • Supervised clinical practice • WHO midwifery toolkit • GoI guidelines – use of uterotonics during labour, antenatal corticosteroids • GoI guidance note on prevention and management of PPH	• Essay • Short answer • Objective type • Assessment of skills with check list • OSCE
III	9 (T) 5 (L) 40 (C)	Describe the assessment, initial management, referral and nursing care of women with abnormal postnatal conditions.	Recognition and Management of postnatal problems • Physical examination, identification of deviation from normal • Puerperal complications and its management ○ Puerperal pyrexia ○ Puerperal sepsis	• Lecture • Demonstration • Case discussion/ presentation • Drug presentation • Supervised clinical practice	• Quiz • Simulation • Short answer • OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			○ Urinary complications ○ Secondary Postpartum hemorrhage ○ Vulval hematoma ○ Breast engorgement including mastitis/breast abscess, feeding problem ○ Thrombophlebitis ○ DVT ○ Uterine sub involution ○ Vesico vaginal fistula (VVF), Recto vaginal fistula (RVF) ○ Postpartum depression/psychosis ● Drugs used in abnormal puerperium ● Policy about referral		
IV	7 (T) 5 (L) 40 (C)	Describe high risk neonates and their nursing management	Assessment and management of High-risk newborn (Review) ● Models of newborn care in India – NBCC; SNCUs ● Screening of high-risk newborn ● Protocols, levels of neonatal care, infection control ● Prematurity, Post-maturity ● Low birth weight ● Kangaroo Mother Care ● Birth asphyxia/Hypoxic encephalopathy ● Neonatal sepsis ● Hypothermia ● Respiratory distress ● Jaundice ● Neonatal infections ● High fever ● Convulsions ● Neonatal tetanus ● Congenital anomalies ● Baby of HIV positive mothers ● Baby of Rh negative mothers ● Birth injuries ● SIDS (Sudden Infant Death Syndrome) prevention, Compassionate care ● Calculation of fluid requirements, EBM/formula feeds/tube feeding ● Home based newborn care program -	● Lecture ● Discussion ● Demonstration ● Simulation ● Case discussion/ presentation ● Drug presentation ● Supervised Clinical practice ● Integrated Management of Neonatal Childhood Illnesses (IMNCI)	● Short answer ● Objective type ● Assessment of skills with check list ● OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			community facility integration in newborn care • Decision making about management and referral • Bereavement counseling • Drugs used for high risk newborns • Maintenance of records and reports		
V	12 (T) 5 (L) 80 (C)	Describe the assessment and management of women with gynecological disorders.	Assessment and management of women with gynecological disorders • Gynecological assessment – History and Physical assessment • Breast Self-Examination • Congenital abnormalities of female reproductive system • Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and management of women with ○ Menstrual abnormalities ○ Abnormal uterine bleed ○ Pelvic inflammatory disease ○ Infections of the reproductive tract ○ Uterine displacement ○ Endometriosis ○ Uterine and cervical fibroids and polyps ○ Tumors – uterine, cervical, ovarian, vaginal, vulval ○ Cysts – ovarian, vulval ○ Cystocele, urethrocele, rectocele ○ Genitor-urinary fistulas ○ Breast disorders – infections, deformities, cysts, tumors ○ HPV vaccination ○ Disorders of Puberty and menopause ○ Hormonal replacement therapy • Assessment and management of couples with infertility ○ Infertility – definition, causes ○ Counseling the infertile couple ○ Investigations – male and female ○ Artificial reproductive technology ○ Surrogacy, sperm and ovum donation, cryopreservation	• Lecture • Discussion • Demonstration • Case discussion/ presentation • Drug presentation • Videos, films • Simulated practice • Supervised Clinical practice • Visit to infertility clinic and ART centers	• Essay • Short answer • Objective type • Assessment of skills with check list • OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			• Adoption – counseling, procedures • Injuries and Trauma; Sexual violence • Drugs used in treatment of gynecological disorders		

Note: Complete safe delivery app during VII Semester.

PRACTICUM

SKILL LAB & CLINICAL ARE GIVEN UNDER OBG NURSING – I