

DAYANANDA SAGAR UNIVERSITY

Shavige Malleshwara Hills, Kumaraswamy Layout,
Bengaluru - 560078, Karnataka.

SCHOOL OF HEALTH SCIENCES

COLLEGE OF NURSING SCIENCES



**SCHEME & SYLLABUS
FOR
BACHELOR OF SCIENCES IN NURSING
(POST BASIC) - PBBSc
(With Effect from 2016-17)**

**DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES
COLLEGE OF NURSING SCIENCES**

PROGRAMME: POST BASIC BACHELOR OF SCIENCE – NURSING (PB B.Sc. – N) -2016-17

YEAR – 1

SL. NO.	COURSE CODE	COURSE TITLE	CR / AU	NO. OF CONTACT HOURS		SCHEME OF EVALUATION	
				LECTURE	PRACTICAL	IA TEST	END EXAM
1	16PB101	BIOCHEMISTRY	CR	30	15	25	75
2	16PB102	BIOPHYSICS	CR	30	15		
3	16PB103	NUTRITION AND DIETETICS	CR	30	15	15	35
4	16PB104	MICROBIOLOGY	CR	60	30	25	75
5	16PB105	PSYCHOLOGY	CR	60	15	25	75
6	16PB106	NURSING FOUNDATION	CR	45	--	15	35
7	16PB107	MATERNAL NURSING	CR	60	--	25	75
8	16PB108	CHILD HEALTH NURSING	CR	60	--	25	75
9	16PB109	MEDICAL SURGICAL NURSING	CR	90	--	25	75
10	16PB110	ENGLISH	CR	60	--	25	75
11	16PB171	MATERNAL NURSING (P)	CR	-	240	50	50
12	16PB172	CHILD HEALTH NURSING (P)	CR	--	240	50	50
13	16PB173	MEDICAL SURGICAL NURSING (P)	CR	--	270	50	50
GRAND TOTAL = 1100				525	825	355	745
14	16PB191	KANNADA	AU	30	--	50	--

Note: CR – Credit, AU – Audit, IA – Internal Assessment

**SCHOOL OF HEALTH SCIENCES
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PROGRAMME: POST BASIC BACHELOR OF SCIENCE – NURSING (PB B.Sc. – N) -2016-17

YEAR – 2

SL. NO.	COURSE CODE	COURSE TITLE	CR / AU	NO. OF CONTACT HOURS		SCHEME OF EVALUATION	
				LECTURE	PRACTICAL	IA TEST	END EXAM
1	16PB201	SOCIOLOGY	CR	60	--	25	75
2	16PB202	COMMUNITY HEALTH NURSING	CR	60	--	25	75
3	16PB203	MENTAL HEALTH NURSING	CR	60	--	25	75
4	16PB204	INTRODUCTION TO NURSING EDUCATION	CR	60	75	25	75
5	16PB205	INTRODUCTION TO NURSING ADMINISTRATION	CR	60	180	25	75
6	16PB271	COMMUNITY HEALTH NURSING(P)	CR	-	240	50	50
7	16PB272	MENTAL HEALTH NURSING(P)	CR	--	240	50	50
GRAND TOTAL = 750				345	855	275	475
TOTAL HRS:345+855+45=1200							
8	16PB291	INTRODUCTION TO NURSING RESEARCH & STATISTICS	AU	45	--	--	--
9	16PB292	RESEARCH PROJECT	AU	--	120	50	--

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, 1stEdition, 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: Restraints, 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, 6thEdition, W.B Saunders, Philadelphia, 2001.
2. Wong, Whley &Wongs Nursing Care Of Infants & Children, 5th Edition, Mosby, St Louis, 1995.
3. Gupte,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, 4thEdition, 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 Vaginal Fistula (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 Suzane , 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 Richar Ved, Medical Care Of The Pregnant Patient, 7th Edition, American College , Philadelphia, 2000.
3. Baughman Diane. C, Handbook For Brunner Suddorths 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 enables 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 enable 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, Pharmaco therapy, 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.**
Steps of scientific 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, Jayppe Brothers, 1999, New Delhi.
2. Rose Hott & Budin. Notter's, Essentials of Nursing Research, Spinger Publisher, 1999, New York.
3. Patricial 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. Jayppe 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"