

DAYANANDA SAGAR UNIVERSITY

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

SCHOOL OF HEALTH SCIENCES

COLLEGE OF NURSING SCIENCES



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

(With Effect from 2016-17)

**SCHOOL OF HEALTH SCIENCES
COLLEGE OF NURSING SCIENCES
PROGRAMME: BACHELOR OF SCIENCE – NURSING (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	16NS101	ANATOMY	CR	60	15	25	75
2	16NS102	PHYSIOLOGY	CR	60	15		
3	16NS103	NUTRITION	CR	40	20	25	75
4	16NS104	BIOCHEMISTRY	CR	30	15		
5	16NS105	MICROBIOLOGY	CR	60	15	25	75
6	16NS106	PSYCHOLOGY	CR	60	--	25	75
7	16NS107	NURSING FOUNDATION	CR	265	--	25	75
8	16NS171	NURSING FOUNDATION (P)	CR	--	650 (200+450)	100	100
GRAND TOTAL = 700				575	730	225	475
9	16NS191	ENGLISH	AU	60	--	100	--
10	16NS192	KANNADA	AU	30	--	50	--
11	16NS193	INTRODUCTION TO COMPUTERS	AU	45	--	50	--
12	16NS194	LIBRARY	AU	--	50	--	--
13	16NS195	CO – CURRICULAR ACTIVITY	AU	--	50	--	--

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

SCHOOL OF HEALTH SCIENCES
COLLEGE OF NURSING SCIENCES
PROGRAMME: BACHELOR OF SCIENCE – NURSING (B.Sc. – N) – 2016 - 17
YEAR – 2

SL. NO.	SUBJECT CODE	SUBJECT	$\frac{CR}{AU}$	NO. OF CONTACT HOURS		SCHEME OF EVALUATION	
				LECTURE	PRACTICAL	IA TEST	END EXAM
1.	16NS201	SOCIOLOGY	CR	60	--	25	75
2.	16NS202	PHARMACOLOGY	CR	45	--	25	75
3.	16NS203	PATHOLOGY AND GENETICS	CR	20+15	10 (PATHOLOGY)		
4.	16NS204	MEDICAL SURGICAL NURSING-I	CR	210	--	25	75
5.	16NS205	COMMUNITY HEALTH NURSING-I	CR	90	135	25	75
6.	16NS206	COMMUNICATION & EDUCATIONAL TECHNOLOGY	CR	60	30	25	75
7.	16NS271	MEDICAL SURGICAL NURSING-I(P)	CR	--	720	100	100
GRAND TOTAL = 700				500	895	225	475
TOTAL HRS:500+895+100=1495							
8.	16NS291	LIBRARY	AU	-	50	-	-
9.	16NS292	CO- CURRICULAR ACTIVITY	AU	-	50	-	-
					100		

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

YEAR – 3

Sl. No	Subject Code	Subject	$\frac{CR}{AU}$	No. of contact hours		Scheme of Evaluation	
				L	Practical/ Internship	IA Test	End Exam
1.	16NS301	Medical Surgical Nursing-II	CR	120	--	25	75
2.	16NS302	Child Health Nursing	CR	90	--	25	75
3.	16NS303	Mental Health Nursing	CR	90	--	25	75
4.	16NS304	Nursing Research & Statistics	CR	60	15	25	75
5.	16NS371	Medical Surgical Nursing-II(P)	CR	--	270	50	50
6.	16NS372	Child Health Nursing(P)	CR	--	270	50	50
7.	16NS373	Mental Health Nursing(P)	CR	--	270	50	50
Total				360	825	250	450
Total Hrs:360+825+100=1285							
8.	16NS391	Library	AU	-	50	-	-
9.	16NS392	Co- curricular activity	AU	-	50	-	-
					100		

**SCHOOL OF HEALTH SCIENCES
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YEAR - 4

Sl. No.	Subject Code	Subject	CR AU	No. of contact hours		Scheme of Evaluation	
				L	Practical Internship	IA Test	End Exam
1.	16NS401	Midwifery & Obstetrical Nursing	CR	90	--	25	75
2.	16NS402	Community Health Nursing-II	CR	90	--	25	75
3.	16NS403	Nursing Management	CR	60	30	25	75
4.	16NS471	Midwifery & Obstetrical Nursing(P)	CR	--	180	50	50
5.	16NS472	Community Health Nursing-II(P)	CR	--	135	50	50
Total				240	390	225	325
Total Hrs:240+390+1285=1915							
6.	16NS491	Project	AU	--	45	50	--
7.	16NS492	Midwifery & Obstetrical Nursing	AU	-	420	-	-
8.	16NS493	Medical Surgical Nursing	AU	-	430	-	-
9.	16NS494	Child Health Nursing	AU	-	145	-	-
10.	16NS495	Mental Health Nursing	AU	-	95	-	-
11.	16NS496	Community Health Nursing	AU	-	195	-	-
					1285		

SEMESTER/YEAR : I YEAR
COURSE CODE : 16NS101
TITLE OF THE COURSE : ANATOMY
L: T/A: P: C : 60:2: 150: 0

COURSE OBJECTIVES:

1. To enable students to acquire knowledge of the normal structure of various human body systems.
2. To understand the alterations in anatomical structures in disease and practice of nursing.

COURSE OUTCOMES:

1. Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands
2. Describe the structure & function of bones and joints
3. Describe the structure and function of muscles
4. Describe the structure & function of nervous system
5. Explain the structure & functions of sensory organs
6. Describe the structure & function of circulatory and lymphatic system
7. Describe the structure & functions of respiratory system.
8. Describe the structure & functions of digestive system.
9. Describe the structure & functions of excretory system
10. Describe the structure & functions of endocrine system
11. Describe the structure & functions of reproductive system

UNIT -1

05 Hrs.

Introduction to Anatomical terms organization of the human body : Human Cell structure, Tissues – Definition, Types, characteristics, classification, location, functions & formation, Membranes and glands – classification and structure, Alterations in disease, Applications and implications in nursing

UNIT -2

06 Hrs.

The Skeletal System: Types, structure, Axial & Appendicular Skeleton, Bone formation and growth, Description of bones, Joints classification and structure, Alterations in disease, Applications and implications in nursing

UNIT -3

07 Hrs.

The Muscular System: Types and structure of muscles, Muscle groups, Alterations in disease, Applications and implications in nursing

UNIT -4**06 Hrs.**

The nervous System : Structure of neuralgia & neurons, Somatic Nervous system, Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves, Autonomic Nervous System – Sympathetic, parasympathetic, Structure, location, Alterations in disease, Applications and implications in nursing

UNIT -5**06 Hrs.**

The nervous System: Structure of skin, eye, ear, nose tongue, (Auditory and olfactory apparatus), Alterations in disease, Applications and implications in nursing

UNIT -6**07 Hrs.**

Circulatory and lymphatic system: The Circulatory System, Blood – Microstructure, Structure of Heart, Structure of blood vessels- Arterial & Venous System, Circulation: Systemic, pulmonary, coronary, Lymphatic System, Lymphatic vessels & lymph, Lymphatic tissues, Thymus gland, Lymph nodes, Spleen, Lymphatic tissues, Alterations in disease, Applications and implications in nursing.

UNIT -7**05 Hrs.**

The Respiratory System: Structure of the organs of respiration, Muscles of respiration: Intercostal and Diaphragm, Alterations in disease, Applications and implications in nursing

UNIT -8**06 Hrs.**

The Digestive System: Structure of Alimentary tract and accessory organs of digestion, Alterations in disease, Applications and implications in nursing

UNIT -9**04 Hrs.**

The Excretory system (Urinary): Structure of organs of urinary, System: Kidney, Ureters, urinary, bladder, urethra, structure of skin, Alterations in disease, Applications and implications in nursing.

UNIT-10**04 Hrs.**

The Endocrine system: Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands, Alterations in disease, Applications and implications in nursing

UNIT -11**04 Hrs.**

The Reproductive system including breast: The Reproductive system including breast: Structure of female reproductive organs, Structure of male reproductive organs, Structure of breast, Alterations in disease, Applications and implications in nursing

TEXT BOOKS:

1. Waugh, Ross & Wilson Anatomy and Physiology in Health and Illness, 12th edition, Elsevier publishers, Philadelphia, 2014

2. Pearce, Anatomy & physiology for Nurses, 16th Edition, Jaypee publishers, New Delhi, 1997.
3. Kakar Smitha, The Practice Manual of Illustrative Anatomy, 2nd Edition, Jaypee publishers, New Delhi, 2014.
4. Saraswathi, Handbook of anatomy for nurses, 1st Edition, Jaypee publishers, New Delhi, 2009.
5. Scanlon & Sanders, Essentials of anatomy and physiology, 5th Edition, Jaypee publishers, New Delhi, 2010.

REFERENCE BOOKS:

1. Rawlani & Shobha, Textbook of General anatomy, 2nd Edition, Jaypee publishers, New Delhi, 2013.
2. IB Sing, Anatomy and physiology for nurses, 2nd Edition, Jaypee publishers, New Delhi, 2008.
3. Ghosh, Human Anatomy for Students, 2nd Edition, Jaypee publishers, New Delhi, 2013.
4. Raju & Madala, Anatomy and physiology for general Nursing & Midwifery, 2nd Edition, Jaypee publishers, New Delhi, 2015.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16NS102
TITLE OF THE COURSE : PHYSIOLOGY
L: T/A:P: C : 60 :2 : 15 : 0

COURSE OBJECTIVES:

1. To assist the students to acquire knowledge if the normal physiology of various human body systems.
2. To understand the alterations in physiology in diseases and practice of nursing

COURSE OUTCOMES:

1. Describe the physiology of cell, tissues, membranes and glands
2. Describe the bone formation and growth and movements of skeleton system
3. Describe the muscle movements and tone and demonstrate muscle contraction and tone
4. Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves
5. Demonstrate reflex action and stimulus
6. Describe the physiology of blood and functions of Heart
7. Demonstrate blood cell count, coagulation, grouping ,Hb: BP and Pulse monitoring
8. Describe the physiology and mechanisms of respiration
9. Demonstrates spirometry
10. Describe the Physiology of digestive system
11. Demonstrates BMR
12. Describe the Physiology of excretory system
13. Describe the physiology of sensory organs
14. Describe the physiology of endocrine glands
15. Describe the physiology of male and female reproductive system
16. Describe the Physiology of Lymphatic and Immunological System

UNIT -1

4 Hrs

Cell Physiology: Tissue formation, repair, Membranes & glands – functions, Alterations in disease, Applications and implications in nursing

UNIT -2

04 Hrs

Skeletal System: Bone formation & growth, Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing, Joints and joint movement, Alterations in disease, Applications and implications in nursing

UNIT -3**04 Hrs.**

Muscular System: Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture, Alterations in disease, Applications and implications in nursing

UNIT -4**07 Hrs.**

Nervous System: Functions of Neuralgia & neurons, Stimulus & nerve-impulse- definitions and mechanism, Functions of brain, spinal cord, cranial and spinal nerves, Cerebrospinal fluid-composition, circulation and function, Reflex arc, Reflex action and reflexes, Automatic functions –Pain: somatic, visceral and referred, Automatic learning and biofeedback, Alterations in disease, Applications and implications in nursing

UNIT -5**08 Hrs.**

Circulatory System : Blood formation, composition, blood groups, blood coagulation, Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation, Functions of Heart, Conduction, Cardiac cycle, circulation-Principles, Control, factors influencing BP and Pulse, Alterations in disease, Applications and implications in nursing

UNIT -6**06 Hrs.**

The Respiratory System :The Respiratory System: Functions of respiratory organs, Physiology of respiration, Pulmonary ventilation, Volume, Mechanics of respiration, Gaseous exchange in lungs, Carriage of oxygen & carbon-dioxide, Exchange of gases in tissues, Regulation of respiration, Alterations in disease, Applications and implications in nursing.

UNIT -7**06 Hrs.**

The Digestive System: Functions of organs of digestive tract, Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas, Metabolism of carbohydrates, protein and fat

UNIT - 8**05 Hrs.**

The Excretory System: Functions of kidneys, ureters, urinary bladder & urethra, Composition of urine, Mechanism of urine formation, Functions of skin, Regulation of body temperature, Fluid and electrolyte balance, Alterations in disease, Applications and implications in nursing.

UNIT -9**04 Hrs.**

The Sensory Organs: The Sensory Organs: Functions of skin, eye, ear, nose, and tongue, Alterations in disease, Applications and implications in nursing.

UNIT -10**05 Hrs.**

The Endocrine Glands: Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries & Testes, Alterations in disease, Applications and implications in nursing

UNIT -11**05 Hrs.**

The Reproductive System: Reproduction of cells – DNA, Mitosis, Meiosis, spermatogenesis, oogenesis, Functions of female reproductive organs; Functions breast, Female sexual cycle. Introduction to embryology, Functions of male reproductive organs, Male function in reproduction, Male fertility system, Alterations in disease, Applications and implications in nursing.

UNIT -12**02 Hrs.**

Lymphatic & Immunological System: Circulation of lymph, Immunity, Formation of T-cells and B cells, Types of Immune response, Antigens, Cytokines, Antibodies.

TEXT BOOKS:

1. Venkatesh.D & Sudhakar. H.H, Basics of Medical Physiology for Nursing Students, 3rd edition, Lippincott Publishers, New York, 2009.
2. Bijlani, Fundamentals of physiology, 2nd Edition, Jaypee publishers, New Delhi, 2013.
3. Waugh, Ross & Wilson Anatomy and Physiology in Health and Illness, 12th edition, Elsevier publishers, Philadelphia, 2014.
4. Pearce, Anatomy & physiology for Nurses, 16th Edition, Jaypee publishers, New Delhi, 1997.

REFERENCE BOOKS:

1. IB Sing, Anatomy and physiology for nurses, 2nd Edition, Jaypee publishers, New Delhi, 200
2. Raju & Madala, Anatomy and physiology for general Nursing & Midwifery, 2nd Edition, Jaypee publishers, New Delhi, 2015.
3. Scanlon & Sanders, Essentials of anatomy and physiology, 5th Edition, Jaypee publishers, New Delhi, 2010.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16NS103
TITLE OF THE COURSE : NUTRITION
L: T/A:P: C : 40 :2 : 20 : 0

COURSE OBJECTIVES:

To assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life and its application for practice of nursing.

COURSE OUTCOMES:

1. Describe the relationship between nutrition & Health
2. Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates
3. Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats
4. Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins
5. Describe the daily calorie requirement for different categories of people
6. Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins
7. Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals
8. Describe the sources, functions and requirements of Water & electrolytes
9. Describe the Cookery rules and preservation of nutrients
10. Prepare and serve simple beverages and different types of foods
11. Describe and plan balanced diet for different categories of people
12. Describe various national programmes related to nutrition
13. Describe the role of nurse in assessment of nutritional status and nutrition education.

UNIT -1

4 Hrs.

Introduction: History, Concepts, Role of nutrition in maintaining health, Nutritional problems in India, National nutritional policy, Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc., Role of food and its medicinal value, Classification of foods, Food standards, Elements of nutrition: macro and micro, Calorie, BMR

UNIT -2**2 Hrs.**

Carbohydrates: Classification, Calorie Value, Recommended daily allowances, Dietary sources, Functions, Digestion, absorption and storage, metabolism of carbohydrates, Malnutrition, Deficiencies and over consumption

UNIT -3**2 Hrs.**

Fats Classification, Caloric value, recommended daily allowances, Dietary sources, Functions, Digestion, absorption and storage, metabolism, Malnutrition: Deficiencies and over consumption

UNIT -4**2 Hrs.**

Proteins: Classification, Caloric value, recommended daily allowances, Dietary sources, Functions, Digestion, absorption, metabolism and storage, Malnutrition: Deficiencies and Over consumption.

UNIT -5**3 Hrs.**

Energy Unit of Energy – Kcal, Energy requirements of different categories of people, Measurements of energy, Body Mass Index (BMI) and basic metabolism, Basal Metabolic Rate (BMR) - determination and factors affecting

UNIT -6**4 Hrs.**

Vitamins: Classification, Recommended daily allowances, Dietary sources, Functions, Absorption, synthesis, metabolism storage and excretion, Deficiencies, Hypervitaminosis

UNIT -7**4 Hrs.**

Minerals: Classification, Recommended daily allowances, Dietary sources, Functions, Absorption, synthesis, metabolism storage and excretion, Deficiencies, over consumption and toxicity.

UNIT -8**3 Hrs.**

Water & electrolytes: Water: Daily requirement, regulation of water metabolism, distribution of body water, Electrolytes: Types, sources, composition of body fluids, Maintenance of fluid & electrolyte balance, over hydration, dehydration and water intoxication, electrolyte imbalances.

UNIT -9**5 Hrs.**

Cookery rules and preservation of nutrients Principles, methods of cooking and serving, Preservation of nutrients, Safe Food handling-toxicity, Storage of food, Food preservation, food additives and its principles, prevention of food adulteration Act (PFA), Food standards, Preparation of simple, beverages and different types of food.

UNIT -10**7 Hrs.**

Balanced diet: Elements, Food groups, Recommended Daily allowance, Nutritive value of foods, Calculation of balanced diet for different categories of people, Planning menu, Budgeting of food, Introduction to therapeutic diets: Naturopathy – diet.

UNIT -11**04 Hrs.**

Role of nurse in nutritional programmes: National programmes related to nutrition, Vitamin A deficiency programme, National iodine deficiency disorders (IDD) programme, Mid-day meal programme, Integrated child development scheme (ICDS), National and International agencies working towards food/nutrition, NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc., Assessment of nutritional status, Nutrition education and role of nurse

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 : 16NS104
TITLE OF THE COURSE : BIOCHEMISTRY
L: T/A: P: C : 30:2: 15: 0

COURSE OBJECTIVES:

1. To assist the students to acquire knowledge of the normal biochemical composition and functioning of human body.
2. To understand the alterations in biochemistry in diseases for practice of nursing.

COURSE OUTCOMES:

1. Describe the structure Composition and functions of cell
2. Differentiate between Prokaryote & Eukaryote cell
3. Identify techniques of Microscopy
4. Describe the structure and functions of cell membrane
5. Explain the metabolism of carbohydrates
6. Explain the metabolism of Lipids
7. Explain the metabolism of Amino acids and Proteins
8. Describe types, composition and utilization of Vitamins & minerals
9. Describe Immuno-chemistry.

UNIT -1

3 Hrs.

Introduction: Definition and significance in nursing, Review of structure, Composition and functions of cell, Prokaryote and Eukaryote cell organization, Microscopy.

UNIT -2

6 Hrs.

Structure and functions of Cell membrane: Fluid mosaic model tight junction, Cytoskeleton, Transport mechanism: diffusion osmosis, filtration, active channel, sodium pump, Acid base balance-maintenance & diagnostic tests, PH buffers

UNIT -3

6 Hrs.

Composition and metabolism of Carbohydrates: Types, structure, composition and uses, Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides, Metabolism, Pathways of glucose: Glycolysis, Gluconeogenesis, Cori's cycle, Tricarboxylic acid (TCA) cycle, Glycogenolysis, Pentose phosphate, Pathways (Hexose mono phosphate), Regulation of blood glucose level, Investigations and their interpretations

UNIT -4**4 Hrs.**

Composition and metabolism of Lipids Types, Structure, composition and uses of fatty acids, Nomenclature, Roles and Prostaglandins, Metabolism of fatty acid, Breakdown, Synthesis, Metabolism of triacylglycerol, Cholesterol metabolism, Biosynthesis and its Regulation, Bile salts and bilirubin, Vitamin D, Steroid hormones, Lipoproteins and their functions, VLDLs- IDLs, LDLs and HDLs, Transport of lipids, Atherosclerosis, Investigations and their interpretations

UNIT -5**6 Hrs.**

Composition and metabolism of Amino acids and Proteins Types, structure, composition and uses of Amino acids and Proteins, Metabolism of Amino acids and Proteins, Protein synthesis, targeting and Glycosylation, Chromatography, Electrophoresis, Sequencing, Metabolism of Nitrogen, Fixation and Assimilation, Urea Cycle, Hemes and chlorophylls, Enzymes and co-enzymes, Classification, Properties, Kinetics and inhibition, Control, Investigations and their interpretations

UNIT -6**2 Hrs.**

Vitamins and minerals: Structure, Classification, Properties, Absorption, Storage & transportation, Normal concentration, Investigations and their interpretation

UNIT -7**3 Hrs.**

Immunochemistry Immune response, Structure and classification of immunoglobins, Mechanism of antibody production, Antigens: HLA typing, Free radical and Antioxidants, Specialized Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein, Electrophoretic and Quantitative determination of immunoglobins – ELISA etc., Investigations and their interpretations

TEXT BOOKS:

1. Anthikad, Nutrition and biochemistry for nurses, 12th edition, Jaypee Publishers, New Delhi, 2014.
2. Sharma K Suresh, T/B of biochemistry & biophysics for nurses, 1st edition, Jaypee publishers, New Delhi, 2014.

REFERENCE BOOKS:

1. Harbans Lal, Biochemistry for nursing students, 1st edition, CBS publishers, New Delhi, 2007.
2. SP Singh, Principles of biochemistry, 1st edition, CBS publishers, New Delhi, 2008.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16NS105
TITLE OF THE COURSE : MICROBIOLOGY
L: T/A:P: C : 60 :2 : 15 : 0

COURSE OBJECTIVES:

1. To enable students to acquire understanding of fundamentals of Microbiology and identification of various microorganisms.
2. To provide opportunities for practicing infection control measures in hospital and community settings.

COURSE OUTCOMES:

1. Explain concepts and principles of microbiology and their importance in nursing
2. Describe structure, classification morphology and growth of bacteria
3. Identify Micro- organisms
4. Describe the methods of infection control
5. Identify the role of nurse in hospital infection control programme
6. Describe the different disease producing organisms
7. Explain the concept of immunity, hyper sensitivity and immunization.

UNIT -1

05 Hrs.

Introduction: Importance and relevance to nursing, Historical perspective, Concepts and terminology, Principles of microbiology

UNIT -2

15 Hrs.

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 Micro-organisms, Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation, Culture; various medias

UNIT -3

15 Hrs.

Infection Control: Infection : Sources, portals of entry and exit, transmission, Asepsis, Disinfection: Types and methods, Sterilization: Types and methods, Chemotherapy and antibiotics, Standard safety measures, Biomedical waste management, Role of Nurse, Hospital acquired infection, Hospital infection control programme, Protocols, collection of samples, preparation of report and status of rate of infection in the unit/ hospital, nurse's accountability, continuing education etc.

UNIT -4**15 Hrs.**

Pathogenic organisms Micro-organisms, Cocci – gram positive and gram negative, bacilli – gram positive and gram negative, Spirochaete, Mycoplasma, Rickettsiae, Chlamydiae, Viruses, Fungi-Superficial and Deep mycoses, Parasites, Rodents & vectors Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms collection, handling and transportation of various specimens

UNIT -5**10 Hrs.**

Immunity: Immunity – Types, classification, Antigen & antibody reaction, Hypersensitivity – skin test, Serological tests, Immunoprophylaxis, Vaccines & sera – Types & classification, storage and handling, cold chain, Immunization for various diseases, Immunization schedule

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. SathishGupte, 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. JayaramPaniker, 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 : 16NS106
TITLE OF THE COURSE : PSYCHOLOGY
L: T/A:P: C : 60 :2 : 0 : 0

COURSE OBJECTIVES:

1. To assist the students to acquire knowledge of fundamentals of Psychology and develop an insight into behaviour of self and others.
2. To help them to practice the principles of mental hygiene for promoting mental health in nursing practice.

COURSE OUTCOMES:

1. Describe the history, scope and methods of Psychology
2. Explain the Biology of Human behavior
3. Describe various cognitive processes and their applications
4. Describe motivation, emotions, stress, attitudes and their influence on behavior
5. Explain the concepts of personality and its influence on behavior
6. Describe Psychology of people during the life cycle
7. Describe the characteristics of
8. Mentally healthy person
9. Explain ego defence mechanisms
10. Explain the Psychological assessments and role of nurse.

UNIT- 1

2 Hrs.

Introduction: History and origin of Science of Psychology, Definitions and scope of Psychology, Relevance to Nursing, Methods of Psychology

UNIT -2

4 Hrs.

Biology of Behaviour: Body mind relationship – modulation process in health and illness, Genetics and behaviour : Heredity and Environment, Brain and behaviour: Nervous system, Neurons and synapse, Association cortex, Rt and Lt Hemispheres, Psychology of sensations, Muscular and glandular controls of behavior, Nature of behaviour of an organism/integrated responses

UNIT -3

20 Hrs.

Cognitive processes : Attention: Types, determinants, duration and degree, alterations, Perception: Meaning, Principles, factors affecting, errors, Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits, Memory: Meaning, types, nature factors influencing, development theories and methods of

memorizing and forgetting, Thinking: Types and levels, stages of development, relationship with language and communication, Intelligence: Meaning, classification, uses, theories, Aptitude: Concepts, types, individual differences and variability, Psychometric assessments of cognitive processes, Alterations in cognitive processes, Applications

UNIT -4

8 Hrs.

Motivation: Meaning, concepts, types, theories, motives and behaviour, conflicts and frustration, conflict resolution, Emotions and stress, Emotions: Definition, components, changes in emotions, theories, emotional adjustments, emotions in health and illness, Stress: stressors, cycle, effect, adaptation and coping, Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes, Attitudinal change, Psychometric assessments of emotions and attitudes, Alterations in emotions, Applications

UNIT -5

7 Hrs.

Personality Definitions, topography, types, Theories, Psychometric assessments of personality, Alterations in personality, Applications

UNIT -7

7 Hrs.

Developmental Psychology: Psychology of people at different ages from infancy to old age, Psychology of vulnerable individuals-challenged, women, sick, etc., Psychology of groups

UNIT -8

8 Hrs.

Mental hygiene and mental Health: Concepts of mental hygiene and mental health, Characteristics of mentally healthy person, Warning signs of poor mental health, Promotive and Preventive mental health-strategies and services, Ego Defense mechanisms and implications, Personal and social adjustments, Guidance and counseling, Role of nurse

UNIT -7

04 Hrs.

Psychological assessment & tests: Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment

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 : 16NS107
TITLE OF THE COURSE : NURSING FOUNDATION
L: T/A:P: C : 265 :2 : 200 : 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. To help the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in Supervised Clinical settings.

COURSE OUTCOMES:

1. Describe the concept of health, illness and health care agencies
2. Explain concept and scope of nursing
3. Describe values, code of ethics and professional conduct for nurses of India
4. Explain the admission and discharge procedure
5. Performs admission and discharge procedure
6. Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image)
7. Appreciate the importance of patient teaching in nursing
8. Explain the concept, uses, format and steps of nursing process
9. Documents nursing process as per the format
10. Describe the purposes, types and techniques of recording and reporting
11. Describe principles and techniques of monitoring and maintaining vital signs
12. Monitor and maintain vital signs
13. Describe purpose and process of health assessment
14. Describe the health assessment of each body system
15. Perform health assessment of each body system
16. Identify the various machinery, equipment and linen and their care
17. Describe the basic, psychological needs of patient
18. Describe the principles and techniques for meeting basic, Physiological and psychosocial needs of patient
19. Perform nursing assessment, plan implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient
20. Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings

21. Explain the principles, routes, effects of administration of medications.
22. Calculate conversions of drugs and dosages within and between systems of measurements
23. Administer drugs by the following routes-oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous topical, inhalation
24. Describe the pre and post operative care of patients
25. Explain the process of wound healing
26. Explain the principles and techniques of wound care
27. Perform care of wounds
28. Explain care of patients having alterations in body functioning
29. Explain care of terminally ill patient
30. Explain the basic concepts of conceptual and theoretical models of nursing.

UNIT-1

10 Hrs.

Introduction: Concept of Health: Health – illness continuum, Factors influencing health, Causes and risk factors for developing illness, Body defenses: Immunity and immunization, Illness and illness Behavior, Impact of illness on patient and family, Health Care Services: Health, Promotion and Prevention, Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care, Health care teams, Types of health care agencies, Hospitals: Types, Organization and Functions, Health Promotion and Levels of Disease Prevention, Primary Health care and its delivery: Role of nurse.

UNIT -2

16 Hrs.

Nursing as a profession : Nursing as a profession: Definition and Characteristics of a profession, Nursing- Definition, Concepts, philosophy, objectives, Characteristics, nature and scope of nursing practice, Functions of nurse, Qualities of a nurse, Categories of nursing personnel, Nursing as a profession, History of Nursing in India, Values: Definition, Types, Values Classification and values in professional Nursing: Caring & Advocacy, Ethics- Definition and Ethical Principles, Code of ethics and professional conduct for nurses

UNIT -3

4 Hrs.

Hospital admission and discharge: Admission to the hospital, Unit and its preparation-admission bed, Admission procedure, Special considerations, 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, Special consideration, Medico-legal issues, Roles and Responsibilities of the nurse, Care of the unit after discharge

UNIT-4

10 Hrs.

Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication, Methods of Effective Communication, Attending skills, Rapport building skills, Empathy skills, Barriers to effective communication, Helping Relationship (NPR),

Dimensions of Helping Relationships, Phase of a helping relationship, Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group(children, women, physically and mentally challenged and elderly), Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process

UNIT -5

15Hrs.

The Nursing Process: Critical Thinking and Nursing Judgment, Critical Thinking: Thinking and Learning, Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing, Nursing Process Overview, Application in Practice, Nursing process format: INC, current format, Assessment - Collection of Data , Types, Sources, Methods, Formulating Nursing Judgment, Data interpretation, Nursing Diagnosis - Identification of client problems, Nursing diagnosis statement, Difference between medical and nursing diagnosis, Planning - Establishing Priorities, Establishing Goals and Expected Outcomes, Selection of interventions, Protocols and standing Orders, Writing the Nursing Care Plan, Implementation, Implementing the plan of care, Evaluation - Outcome of care, Review and Modify, Documentation and Reporting

UNIT -6

4 Hrs.

Documentation : Purposes of Recording and reporting, Communication within the Health Care Team, Types of records; ward records, medical/nursing records, Common Record-keeping forms, Computerized documentation, Guidelines for Reporting: Factual Basis, Accuracy, Completeness, correctness', Organization, confidentiality, Methods of Recording, Reporting: Change of shift reports: Transfer reports, incident reports, Minimizing legal Liability through effective record keeping

UNIT -7

15Hrs.

Vital signs: Guidelines for taking vital signs - Body temperature, Physiology, Regulation, Factors affecting body temperature, Assessment of body temperature: sites, equipments and technique, special considerations, Temperature alterations - Hyperthermia, Heatstroke, Hypothermia, Hot and cold applications, Pulse - Physiology & Regulation, Characteristics of the pulse, Factors affecting pulse, Assessment of the pulse: sites, location, equipments and technique, special considerations, Alterations in pulse, Respiration, Physiology and Regulation, Mechanics of breathing, Characteristics of the respiration, Factors affecting respiration, Assessment of respirations - Technique, special considerations, Alterations in respiration, Blood pressure - Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure, Assessment of blood pressure: sites, equipments and technique, special considerations, Alterations in blood pressure, Recording of vital signs

UNIT -8**30Hrs.**

Health assessment: Purposes, 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, recording of health assessment

UNIT -9**5 Hrs.**

Machinery, Equipment and linen: Disposables and reusable- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery, Introduction, Indent, Maintenance, Inventory

UNIT -10**60 Hrs.**

Meeting needs of patient: Basic needs (Activities of daily living): Providing safe and clean environment, Physical environment - Temperature, Humidity, Noise, Ventilation, light, Odor, pests control, Reduction of physical hazards - fire, accidents, Safety devices - Restraints, side rails, airways, trapeze etc., Role of nurse in providing safe and clean environment,

Hygiene - Factors Influencing Hygienic Practice

Hygienic care - Care of the Skin-Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears and Nose, Assessment, Principles, Types, Equipments, Procedure, Special Considerations, Patient environment: Room Equipment and linen, making patient beds, Types of beds and bed making

Comfort - Factors influencing Comfort, Comfort devices

Physiological needs: Sleep and Rest - Physiology of sleep, Factors affecting sleep, Promoting Rest and sleep, Sleep Disorders

Nutrition - Importance, Factors affecting nutritional needs, Assessment of nutritional needs, Meeting Nutritional needs -Principles, equipments, procedure and special considerations, Oral, Enteral : Naso/ Orogastric, gastrostomy, Parenteral

Urinary Examination - Review of Physiology of Urine Elimination, Composition and characteristics of urine, Factors influencing Urination, Alteration in Urinary Elimination, Types and Collection of urine specimen - Observation, urine testing, Facilitating urine elimination: assessment, types, equipments, procedures and special considerations, Providing urinal/bed pan, Condom drainage, Perineal care, Catheterization, Care of urinary drainage, Care of urinary diversions, Bladder irrigation

Bowel Elimination - Review of Physiology of Bowel Elimination, Composition and characteristics of faeces , Factors affecting Bowel elimination - Alteration in Bowel Elimination, Types and Collection of specimen of faeces, Observation, Facilitating bowel elimination- assessment, equipments, procedures and special considerations, Passing of Flatus tube, Enemas, Suppository, Sitz bath, Bowel wash, Care of Ostomies

Mobility and Immobility - Principles of Body Mechanics, Maintenance of normal body, Alignment and mobility, Factors affecting body, Alignment and mobility, Hazards

associated with immobility, Alteration In body, Alignment and mobility, Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects, Range of motion exercises, Maintaining body alignment: Positions, Moving, Lifting, Transferring, Walking, Restraints
Oxygenation - Review of Cardiovascular and respiratory Physiology, Factors Affecting Oxygenation, Alterations in oxygenation, Nursing interventions in oxygenation : assessment, types, equipment used, procedure and special considerations, Maintenance of patent airway, Oxygen administration, Suction, Inhalations: dry and moist, Chest physiotherapy and postural drainage, Pulse oximetry, CPR-Basic life support
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, Alterations in Fluid, Electrolyte, and Acid- Base Balances, Nursing interventions in Fluid, Electrolyte and Acid, Base Imbalances - assessment, types, equipment, procedure and special considerations, Measurement fluid intake and output, Correcting Fluid, Electrolyte Imbalance: Replacement of fluids - Oral and Parenteral -Venipuncture, regulating IV flow rates, changing IV solutions and tubing, changing IV dressing, Administering Blood transfusion, Restriction of fluids
Psychosocial Needs - Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, coping with loss, death and grieving, Assessment of psychosocial needs, Nursing intervention for psychosocial needs - Assist with coping and adaptation, Creating therapeutic environment, Recreational and diversional therapies

UNIT -11

20 Hrs.

Infection control in Clinical settings: Infection control, Nature of infection, Chain of infection transmission, Defenses against infection - Natural and acquired, Hospital acquired infection (Nosocomial infection), Concept of asepsis: medical asepsis, and surgical asepsis, Isolation precautions (Barrier nursing) - Hand washing: simple, hand antisepsis and surgical antisepsis (scrub), Isolation: source and protective, Personal protecting equipments: types, uses and technique of wearing and removing, Decontamination of equipment and unit, Transportation of infected patients, Standard safety precautions (Universal precautions), Transmission based precautions, Biomedical waste management – Importance, Types of hospital waste, Hazards associated with hospital waste, Decontamination of hospital waste, Segregation and Transportation and disposal.

UNIT -12

40Hrs.

Administration of Medications General - Principles/Considerations, Purposes of Medication, Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Error, Drugs forms, Routes of administration, Storage and maintenance of drugs and Nurses responsibility, Broad classification of drugs, Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions,

Drug Tolerance, Drug Interactions, Factors influencing drug Actions, Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions, Converting Measurements units: Conversions within one system, Conversion between systems, Dosage Calculation, Terminologies and abbreviations used in prescriptions of medications

Oral Drugs Administration - Oral, Sublingual and Buccal, Equipment, procedure

Parenteral - General principles, Decontamination and disposal of syringes and needles, Types of parenteral therapies, Types of syringes, needles, canula, and infusion sets, Protection from Needlestick Injuries, Giving Medications with a safety syringes

Routes of parenteral therapies - Intradermal: purpose, site, equipment, procedure, special considerations, Subcutaneous: purpose, site, equipment, procedure, special considerations, Intramuscular: purpose, site, equipment, procedure, special considerations, Intra Venous: purpose, site, equipment, procedure, special considerations, Advanced techniques: epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intra arterial, Role of nurse

Topical Administration - purposes, site, equipment, procedure, special considerations for Application to Skin, Application to mucous membrane, Direct application of liquids-Gargle and swabbing the throat, Insertion of Drug into body cavity: Suppository/ medicated packing in rectum/vagina, Institutions: 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, special considerations, Recording and reporting of medications administered

UNIT -13

10Hrs.

Meeting needs of Perioperative patients Definition and concept of Perioperative Nursing, Preoperative Phase - Preparation of patient for surgery, Intraoperative - Operation theatre Set up and environment, Role of nurse, Postoperative Phase - Recovery unit, Post operative unit, Post operative care, Wounds - types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing, Surgical asepsis, Care of the wound - types, equipments, procedure and special consideration, Dressings, Suture Care, Care of Drainage, Application of Bandages, Binders, Splints & Slings, Heat and Cold Therapy

UNIT -14

15Hrs.

Meeting special needs of the patient: Care of patients having alteration in Temperature (hyper and hypothermia); Types, Assessment, Management, Sensorium (Unconsciousness); Assessment, Management Urinary Elimination (retention and incontinence); Assessment, Management Functioning of sensory organs: (Visual & hearing impairment), Assessment of Self-Care ability, Communication methods and special considerations, Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations, Mental state (mentally challenged), assessment of Self-Care ability;

Communication Methods and special considerations, Respiration (distress); Types, Assessment, Management, Comfort – (Pain) – Nature, Types, Factors influencing Pain, Coping, Assessment, Management; Treatment related to gastrointestinal system : naso-gastric suction, gastric irrigation, gastric analysis.

UNIT -15

5Hrs.

Care of Terminally ill patient: Concepts of Loss, Grief, grieving Process, Signs of clinical death, Care of dying patient: special considerations, Advance directives: Euthanasia, will, dying declaration, organ donation etc., Medico-legal issues, Care of dead body: equipment, procedure and care of unit, Autopsy, Embalming

UNIT-16

6 Hrs.

Professional Nursing concepts and practices Conceptual and theoretical models of nursing practice: Introduction of models-holistic model, health belief model, health promotion model etc., Introduction to Theories in Nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's, Linking theories with nursing process

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 : 16NS171
TITLE OF THE COURSE : NURSING FOUNDATION (PRACTICAL)
L: T/A: P: C : 0:0: 450: 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. To help the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in Supervised Clinical settings.

COURSE OUTCOMES:

1. Performs admission and discharge procedure
2. Prepares nursing care plans as per the nursing process format
3. Communicate effectively with patient, families and tea members
4. Maintain effective human relations
5. Develops plan for patient teaching
6. Prepare patient reports
7. Presents reports
8. Monitor vital signs
9. Perform heath assessment of each body system
10. Provide basic nursing care to patients
11. Perform infection control procedures
12. Provide care to pre and post-operative patients
13. Perform procedures for care of wounds
14. Administer drugs
15. Provide care to dying and dead
16. Counsel and support relatives.

Contents:

Hospital admission and discharge (III): Admission, Prepare Unit for new patient, Prepare admission bed, Performs admission procedure - New patient, Transfer in, Prepare patient records

Discharge / Transfer out: Gives discharge counseling, Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers), Prepare records of discharge/transfer, Dismantle, and disinfect unit and equipment after discharge / transfer.

Perform assessment: History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions, Write Nursing Care Plan, Gives care as per the plan

Communication: Use verbal and non verbal communication techniques

Prepare a plan for patient teaching session

Write patient report: Change-of shift reports, Transfer reports, and Incident reports etc.,

Presents patient report

Vital Signs: Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure

Health assessment: Health history taking, Perform assessment: General, Body system, Use various methods of physical examination, Inspection, Palpation, Percussion, Auscultation, Olfaction, Identification of system wise deviations

Prepare Patient's unit: Prepare beds: Open, closed, occupied, operation, amputation, Cardiac, fracture, burn, Divided, & Fowlers bed, Pain assessment and provision for comfort

Use comfort devices Hygienic care: Oral hygiene, Baths and care of pressure points, Hair wash, and Pediculosis treatment

Feeding: Oral, Enteral, Naso/Orogastric, gastrostomy and parenteral feeding, Naso-gastric insertion, suction, and irrigation

Assisting patient in urinary elimination: Provides urinal/bed pan, Condom drainage, perineal care, Catheterization, Care of urinary drainage

Bladder irrigation, Assisting bowel Elimination: Insertion of Flatus tube, Enemas, Insertion of Suppository, Bowel wash

Body Alignment and Mobility: Range of motion exercises, Positioning: Recumbent, Lateral (rt/lt), Flowers, Sims, Lithotomy, Prone, Trendelenburg position, Assist patient in Moving lifting, transferring, walking, Restraints

Oxygen administration, Suctioning: Oropharyngeal, nasopharyngeal, Chest physiotherapy and postural drainage, Care of Chest drainage, CPR-Basic life support, Intravenous therapy, Blood and blood component therapy, Collect/assist for collection of specimens for investigations Urine, sputum, feces, vomitus, blood and other body fluids

Perform lab tests: Urine: sugar, albumin, acetone, Blood: sugar (with strip/ gluco-meter)

Hot and cold applications: Local and general Sitz bath

Communicating and assisting with self-care of visually & hearing impaired patients

Communicating and assisting with self-care of mentally challenged/disturbed patients

Recreational and diversional therapies.

Caring of patient with alteration in sensorium

Infection control: Perform following procedures: Hand washing techniques (Simple, hand antisepsis and surgical antisepsis (scrub), Prepare isolation unit in lab/ward, Practice technique of wearing and removing Personal protective equipment (PPE), Practice Standard safety precautions (Universal

Precautions)

Decontamination of equipment and unit: Surgical asepsis – Sterilization, Handling sterilized equipment, Calculate strengths of lotions, Prepare lotions, Care of article

Pre and post operative care: Skin preparations for surgery : Local, Preparation of Post operative unit, Pre & Post operative teaching and counseling, Pre & Post operative monitoring, Care of the wound, Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, splints & Slings, Bandaging of various body parts

Administration of medications: Administer medications in different forms and routes, Oral, Sublingual and Buccal, Parenteral: Intradermal, subcutaneous, Intramuscular etc., Assist with Intra venous mediations, Drug measurements and dose calculations, Preparation of lotions and solutions, Administers topical applications, Insertion of drug into body cavity: Suppository & medicated packing etc., Instillation of medicines and spray into Ear, Eye, Nose and throat, Irrigations: Eye, Ear, Bladder, Vagina and Rectum, Inhalations: dry and moist

Care of dying patient: Caring and packing of dead body, Counseling and supporting grieving relatives, Terminal care of the unit

NURSING FOUNDATION PRACTICAL

Total Hours=450 hours
Total Weeks-15 Weeks

Sl.no	Department	No. of weeks
1.	OPD	1
2.	Emergency	2
3.	General Medical Ward	5
4.	General Surgical Ward	5
5.	Minor OT	2

Total Hours-15 weeks x 05 days x 06 hours =450 hours

SEMESTER/YEAR : I YEAR
COURSE CODE : 16NS191
TITLE OF THE COURSE : ENGLISH
L: T/A:P: C : 45 :2 : 0 : 0

COURSE OBJECTIVES:

1. To enhance ability to comprehend spoken and written English.
2. To practice their skills in verbal and written English for communication.

COURSE OUTCOMES:

1. The student will be able to communicate in speaking, reading and writing in English

UNIT -1 **10 Hrs.**
Review of Grammar: Remedial study of Grammar, Building Vocabulary, Phonetics, Public Speaking

UNIT -2 **30 Hrs.**
Read and comprehend prescribed course books

UNIT -3 **10 Hrs.**
Various forms of Composition: Letter writing, Note taking, Precise writing, Nurses notes, Anecdotal records, Diary writing, Reports on health problems etc., Resume/CV

UNIT -4 **6 Hrs.**
Spoken English: Oral report, Discussion, Debate, Telephonic Conversation

UNIT -5 **4 Hrs.**
Learning Comprehension: Media, Audio, video, speeches etc

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 : I YEAR
COURSE CODE : 16NS193
TITLE OF THE COURSE : INTRODUCTION TO COMPUTERS
L: T/A:P: C : 45 :2 : 0 : 0

COURSE OBJECTIVES:

1. To develop basic understanding of uses of computer and its application in Nursing.

COURSE OUTCOMES:

1. Identify & define various concepts used in computer
2. Identify application of computer in nursing
3. Describe and Use the Disk Operating System
4. Demonstrate skill in the use of MS Office
5. Demonstrate skill in using multi-media
6. Identify features of computer aided teaching and testing
7. Demonstrate use of internet and Email
8. Describe and use the statistical packages
9. Describe the use of Hospital Management System.

UNIT -1 **3 Hrs.**

Introduction: Concepts of Computers, Hardware and software; trends and technology, Application of computers in nursing.

UNIT -2 **6 Hrs.**

Introduction to disk: operating system, DOS, Windows (all version), Introduction: MS-Word, MS-Excel with pictorial presentation, MS-Access, MS-Power point

UNIT -3 **2 Hrs.**

Multimedia: Types & uses, Computer aided teaching & testing

UNIT -4 **1 Hrs.**

Use of Internet and: e-mail

UNIT -5 **2 Hrs.**

Statistical packages: Types and their features

UNIT-6 **1 Hrs.**

Hospital Management System: Types and uses

TEXT BOOKS:

1. N.K .Anand & Shikha Goel, Computer training for Nurses, 1st edition, A.I.T.B.S. Publishers, India, 2008.
2. N.C .Jain & M.S. Saakshi, Computer for Nurses, 1st edition, A.I.T.B.S. Publishers, India, 2008.

REFERENCE BOOKS:

1. Kusum Samant, Basic Computer training for Nurses, 1st edition, Vora Medical Publishers, Mumbai, 2007.
2. Leslie .H. Nicott, Computers in Nurses- Nurses guide to the internet, 2nd edition, Lippincott publishers, New York, 2005.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16NS201
TITLE OF THE COURSE : SOCIOLOGY
L: T/A:P: C : 60 :2 : 0 : 0

COURSE OBJECTIVES :

To introduce the concepts of sociology related to community and social institutions in India and its relationship with health, illness and nursing.

COURSE OUTCOMES:

1. State the importance of sociology in Nursing
2. Describe the inter-relationship of individual in society and community
3. Describe the influence of culture and disease
4. Identify various social groups and their interactions
5. Explain the growth of population in India and its impact on health
6. Describe the Institutions of family and marriage in India
7. Describe the class and caste system and their influence on health and health practices
8. Describe the types of communities in India, their practices and the impact on health
9. Explain the process of Social Change
10. Describe the Social system and inter-relationship of social organizations
11. Explain the nature and process of social control
12. Describe the role of the nurse in dealing with social problems in India

UNIT -1

11 Hrs

Introduction: Definition of Sociology, Nature and Scope of the discipline, Importance and application of Sociology in Nursing

UNIT -2

3 Hrs

Individual and Society: Society and Community, Nature of Society, Difference between Society and Community, Process of Socialization and individualization, Personal disorganization

UNIT -3**3 Hrs**

Culture: Nature of culture, Evolution of culture, Diversity and uniformity of culture, Culture and socialization, Transcultural society, Influence on health and disease

UNIT -4**2 Hrs**

Social groups and processes :The meaning and classification of groups, Primary & Secondary group, In-group V/s. Out-group, class tribe, caste, Economic, Political, Religious, groups, Mob,

UNIT -5**2 Hrs**

Crowd: Public and Audience Interaction & Social Processes, Co-operation, Competition, Conflict, Accommodation, Assimilation & Isolation

UNIT -6**6 Hrs**

Population: Society and population, Population distribution in India Demographic characteristics, Malthusian theory of Populations, Population explosion in India and its impact on health status, Family welfare programmes

UNIT -7**5 Hrs**

Family and Marriage :Family – functions, Types – Joint, Nuclear, blended and extended family: characteristics, The modern family changes, problems – dowry etc, welfare services, Changes and legislations on family and marriage in India – Marriage acts, Marriage: forms and functions of marriage, Marriage and family problems in India, Family, Marriage and their influence on health and health practices,

UNIT -8**7 Hrs**

Social stratification :Meaning and types of social stratification, The Indian caste system- origin and features, Features of caste in India today, Social class system and status, Social Mobility –Meaning & types, Race as a biological concept, criteria of racial classification, Salient features of Primary races-Racism, Influence of Class, Caste and Race on health and health practices

UNIT -9**6 Hrs**

Types of Communities in India (Rural, Urban and Regional):Features of village community and characteristics of Indian villages Panchayat system, social dynamics, Community Development project & planning, Changes in Indian Rural life, Availability of health facilities in rural and its impact on health and health practices, Urban–Community – features, The growth of cities: urbanization and its impact on health and health practices, Major Urban problems – Urban Slums, Region: Problems and impact on Health

UNIT -10**4 Hrs**

Social Change: Nature and process of social change, Factors influencing Social change: cultural change, Cultural lag, Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional, Role of nurse-Change agent

UNIT -11**2 Hrs**

Social Organization and Social System :Social organization: elements, types, Democratic and authoritarian modes of participation, Voluntary association, Social system: Definition and Types of social system, Role and Status as structural elements of social system, Inter-relationship of institutions

UNIT -12**2 Hrs**

Social control :Nature and process of social control, Political, Legal, Religious, Educational, Economic, Industrial and Technological system, Norms & Values – Folkways & Mores Customs, Laws and fashion, Role of Nurse

UNIT -13**7 Hrs**

Social Problems :Social disorganization, Control & planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/Aids, Social welfare programmes in India, Role of Nurse

TEXT BOOKS:

1. Anthikad, Sociology for graduate nurses, 2nd edition, Jaypee publishers, New Delhi, 2014.
2. Neeraja, T/B of sociology for nurses, 2nd edition, Jaypee publishers, New Delhi, 2010.
3. Sachdeva D.R & Bhushan, An Introduction to Sociology, 34th edition, Kitab Mahal publishers, New Delhi, 2002.

REFERENCE BOOKS:

1. Bansal, Textbook of Psychology & sociology, 1st edition, Jaypee publishers, New Delhi, 2012.
2. Purushothama, Nursing sociology, 2nd edition, Jaypee publishers, New Delhi, 2015.
3. Madhusudan, Sociology for nursing Sciences, 1st edition, Jaypee publishers, New Delhi, 2011.

SEMESTER/YEAR : **II YEAR**
COURSE CODE : **16NS202**
TITLE OF THE COURSE : **PHARMACOLOGY**
L: T/A:P: C : **45 :2 : 0 : 0**

COURSE OBJECTIVES :

To enable students to acquire understanding of pharmacodynamics, pharmacokinetics, principles of therapeutics and nursing implications

COURSE OUTCOMES:

1. Explain Chemotherapy of specific infections and infestations and nurse's responsibilities
2. Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities
3. Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities
4. Describe Drugs used on Respiratory systems and nurse's responsibilities
5. Describe Drugs used on Urinary System and nurse's responsibilities
6. Describe Drugs used in De addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immuno-suppression and nurse's responsibilities.
7. Describe Drugs used on skin and mucous membranes and nurse's responsibilities
8. Describe Drugs used on Nervous System and nurse's responsibilities
9. Describe Drugs used on Cardio-vascular System and nurse's responsibilities
10. Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities
11. Demonstrate awareness of the common drugs used in alternative system of medicine

UNIT -1 **3 Hrs**
Introduction to pharmacology: Definitions, Sources, Terminology used, Types: Classification, Pharmacodynamics: Actions, therapeutic, Adverse, toxic, Pharmacokinetics : absorption, distribution, metabolism, interaction, excretion, Review: Routes and principles of administration of drugs, Indian pharmacopoeia : Legal issues, Rational use of drugs, Principles of therapeutics

UNIT -2 **6 Hrs**
Chemotherapy: Pharmacology of commonly used; Penicillin, Cephalosporins, Aminoglycosides, Macrolide & Broad Spectrum Antibiotics, Sulfonamides, Quinolones, Antiamoebic, Antimalarials, Anthelmintics, Antiscabies agents, Antiviral & anti-fungal agents, Antitubercular drugs, Anti leprosy drugs, Anticancer drugs, Immuno-suppressants, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT -3 **2 Hrs**
Pharmacology of commonly used antiseptics, disinfectants and insecticides:
Antiseptics; Disinfectants, Insecticides

UNIT -4 **2 Hrs**
Drugs acting on G.I. system:Pharmacology of commonly used – Antiemetics, Emetics, Purgatives, Antacids, Cholinergic, Anticholinergics, Fluid and electrolyte therapy, Anti diarrhoeals, Histamines, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT -5 **2 Hrs**
Drugs used on Respiratory Systems:Pharmacology of commonly used – Antiasthmatics, Mucolytics, Decongestants, Expectorants, Antitussives, Bronchodilators, Broncho constrictors, Antihistamines - Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT -6 **2 Hrs**
Drugs used on Urinary System: Pharmacology of commonly used – Diuretics and antidiuretics, Urinary antiseptics, Cholinergic and anticholinergics, Acidifiers and alkalanizers, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse.

UNIT -7 **4 Hrs**
Miscellaneous: Drugs used in de-addiction, Drugs used in CPR and emergency, Vitamins and minerals, Immunosuppresants, Antidotes, Antivenom, Vaccines and sera

UNIT -8**1 Hr**

Drugs used on skin and mucous membranes: Topical applications for skin, eye, ear, nose and buccal cavity Antipruritics, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT -9**8 Hrs**

Drugs acting on Nervous system: Basic & applied Pharmacology of commonly used - Analgesics and Anaesthetics, Analgesics, Non steroidal anti - inflammatory (NSAID) drugs, Antipyretics, Hypnotics and Sedatives, Opioids, Non-Opioids, Tranquilizers, General & local anesthetics, Gases : oxygen, nitrous oxide, carbon-dioxide, Cholinergic and anti-cholinergics - Muscle relaxants, Major tranquilizers, Anti-psychotics, Antidepressants, Anticonvulsants, Adrenergics, Noradrenics, Mood stabilizers, Acetylcholine, Stimulants, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT -10**5 Hrs**

Cardiovascular drugs: Haematinics, Cardiotonics, Anti anginals, Anti-hypertensives & Vasodilators, Anti-arrhythmics, Plasma expanders, Coagulants & anticoagulants, Antiplatelets&thrombolytics, Hypolipidemics, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT -11**4 Hrs**

Drugs used for hormonal disorders & supplementation, contraception and medical termination of pregnancy: Insulins & Oral hypoglycemic, Thyroid supplements and suppressants, Steroids, Anabolics, Uterine stimulants and relaxants, Oral contraceptives, Other estrogen-progestrone preparations, Corticotrophine&Gonadotropines, Adrenaline, Prostaglandins, Calcitonins, Calcium salts, Calcium regulators, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT -12**6 Hrs**

Introduction to Drugs used in alternative systems of medicine : Ayurveda, Homeopathy, Unani and Siddha etc.

TEXT BOOKS:

1. Shrivastava, Fundamental and applied Pharmacology for nurses, 3rd edition, Jaypee publishers, New Delhi, 2013.
2. Vallerand, Davin's drug guide for nurses, 8th edition, FAD publishers, 2015.

REFERENCE BOOKS

1. Udaykumar, Pharmacology for nurses, 3rd edition, Jaypee publishers, New Delhi, 2013.
2. Han's Pankaj, Jaypee's nursing drug book, 1st edition, Jaypee publishers, New Delhi, 2012.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16NS203
TITLE OF THE COURSE : PATHOLOGY/GENETICS
L: T/A:P: C : 20 :2 : 10 : 0

COURSE OBJECTIVES :

To enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

COURSE OUTCOMES:

1. Define the common terms used in pathology
2. Appreciate the deviations from normal to abnormal structure and functions of the body system
3. Explain Pathological changes in disease conditions of various systems
4. Describe various laboratory tests in assessment and monitoring of disease conditions
5. Describe the laboratory tests for examination of body cavity fluids, transudates and exudates
6. Describe laboratory tests for examination of Urine and faeces

UNIT - 1

3 Hrs

Introduction: Importance of the study of pathology, Definition of terms, Methods and techniques, Cellular and Tissue changes, Infiltration and regeneration, Inflammations and Infections, Wound healing, Vascular changes, Cellular growth, Neoplasms, Normal and Cancer cell, Benign and Malignant growths, In situ carcinoma, Disturbances of fluid and electrolyte imbalance

UNIT - 2

10, 5 Hrs

Special pathology: Pathological changes in disease conditions of various systems: Respiratory tract - Tuberculosis, Bronchitis, Pleural effusion and pneumonia, Lung abscess, emphysema, bronchiectasis, Bronchial asthma, Chronic obstructive Pulmonary disease and tumours Cardio-vascular system - Pericardial effusion, Rheumatic heart disease, Infective endocarditis, atherosclerosis, Ischemia, infarction & aneurysm Gastro Intestinal Tract - Peptic ulcer, typhoid, Carcinoma of GI tract-buccal, Esophageal, Gastric & intestinal, Liver, Gall bladder & pancreas, Hepatitis, Chronic liver abscess, cirrhosis, Tumours of liver, gall bladder and pancreas, Cholecystitis Kidneys & Urinary tract - Glomerulonephritis, pyelonephritis, Calculi, renal failure, renal carcinoma & cystitis, Male genital systems, Cryptorchidism, testicular atrophy, Prostatic hyperplasia, carcinoma Penis & prostate Female genital system - Fibroids, Carcinoma cervix and Endometrium, Vesicular mole,

choriocarcinoma, Ectopic gestation, Ovarian cyst & tumours, Cancer Breast Central Nervous system - Hydrocephalus, Meningitis, encephalitis, Vascular disorders - thrombosis, embolism, Stroke, paraplegia, quadriplegia, Tumours, meningiomas-gliomas, Metastatic tumour Skeletal system - Bone healing, osteoporosis, osteomyelitis, Arthritis & tumours

UNIT - 3

4, 3 Hrs

Clinical pathology: Various blood and bone marrow tests in assessment and monitoring of disease conditions, Hemoglobin, RBC, White cell & platelet counts, Bleeding time, clotting time and prothrombine time, Blood grouping and cross matching, Blood chemistry, Blood culture, Serological and immunological tests, Other blood tests, Examination of Bone marrow, Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values

UNIT - 4

2, 1 Hrs

Examination of body cavity fluids, transudates and exudates: The laboratories tests used in CSF analysis, Examination of other body cavity fluids, transudates and exudates - sputum, wound discharge etc, Analysis of gastric and duodenal contents, Analysis of semen-sperm count, motility and morphology and their importance in infertility, Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values

UNIT - 5

1, 1 Hr

Urine and faeces: Urine - Physical characteristics, Analysis, Culture and sensitivity, Faeces - Characteristics, Stool examination - occult blood, ova, parasite and cyst, reducing substance etc, Methods of collection for various tests, inference and normal values

TEXT BOOKS:

1. Harsha mohan, Textbook of Pathology, 2nd edition, Jaypee publishers, New Delhi, 2010.
2. Swaminathan, Pathology & genetics for nurses, 2nd edition, Jaypee publishers, New Delhi, 2010.

REFERENCE BOOKS:

1. Sharma, Pathology & genetics, 2nd edition, Jaypee publishers, New Delhi, 2010

GENETICS

COURSE OBJECTIVES :

To enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases

COURSE OUTCOMES:

1. Explain nature, principles and perspectives of heredity
2. Explain Maternal, prenatal and genetic influences on development of defects and diseases
3. Explain the screening methods for genetic defects and diseases in neonates and children
4. Identify genetic disorders in adolescents and adults
5. Describe the role of nurse in genetic services and counseling

UNIT – 1

3 Hrs

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, Mendalian theory of inheritance, Multiple allots and blood groups, Sex linked inheritance, Mechanism of inheritance, Errors in transmission (Mutation),

UNIT – 2

3 Hrs

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, 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)

UNIT – 3

2 Hrs

Genetic testing in the neonates and children : Screening for Congenital abnormalities, Developmental delay, Dysmorphism

UNIT – 4

2 Hrs

Genetic conditions of adolescents and adults : Cancer genetics – Familial Cancer, Inborn errors of metabolism, Blood group alleles and haematological disorder, Genetic haemochromatosis, Huntington's disease, Mental illness

UNIT - 5

5 Hrs

Services related to Genetics : Genetic testing, Human genome project, Gene therapy, The Eugenics movement, Genetic Counselling, Legal and Ethical issues Role of nurse

TEXT BOOKS:

1. Swaminathan, Pathology & genetics for nurses, 2nd edition, Jaypee publishers, New Delhi, 2010.

REFERENCE BOOKS:

1. Sharma, Human genetics for nurses, 2nd edition, Jaypee publishers, New Delhi, 2010

SEMESTER/YEAR : **II YEAR**
COURSE CODE : **16NS204**
TITLE OF THE COURSE : **MEDICAL SURGICAL NURSING-I**
L: T/A:P: C : **120 :2 : 0 : 0**

COURSE OBJECTIVES :

To acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

COURSE OUTCOMES:

1. Appreciate the trends in medical and surgical nursing
2. Describe the role of nurse in caring for adult patient in hospital and community
3. Describe the concepts of medical surgical asepsis
4. Describe the common signs, symptoms, problems and their
5. Specific nursing interventions
6. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems
7. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems
8. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems
9. Describe the vascular conditions and its nursing management
10. Describe the etiology, pathophysiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system
11. Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system

12. Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system
13. Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin
14. Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo – skeletal system
15. Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo – skeletal system
16. Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases
17. Describe the Organisation and physical set up of operation theatre
18. Identify the various instruments and equipments used for common surgical procedures
19. Describe the infection control measures in the operation theatre
- 20.** Describe the role of the nurse in the Peri Operative nursing care

UNIT – 1

15 Hrs

Introduction: Introduction to medical surgical nursing – Evolution and trends of medical and surgical nursing, Review of Concepts of Health and illness Disease - concepts, causations, classification diseases (ICD -10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness, Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process, Role of nurse, patient and family in care of adult patient, Role and responsibilities of a nurse in medical surgical settings : Outpatient department, In-patient unit, Intensive care unit, Home and Community settings, Introduction to Medical Surgical asepsis, Inflammation & Infection, Immunity, Wound healing, Care of Surgical Patient - Pre-operative, Intra operative, Post operative

UNIT - 2**10 Hrs**

Common signs and symptoms and management: Fluid and electrolyte imbalance, Vomiting, Dyspnea and cough, respiratory obstruction, Fever, Shock, Unconsciousness, Syncope, Pain, Incontinence, Edema, Age related problems – geriatric

UNIT - 3**20 Hrs**

Nursing management of patients (adults including elderly) with respiratory problems : Review of anatomy and physiology of respiratory system, Nursing Assessment –History and Physical assessment, Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with – Upper Respiratory tract infections – Bronchitis, Asthma, Emphysema, Empyema, Atelectasis, Chronic Obstructive Pulmonary Diseases (COPD), Bronchiectasis, Pneumonia, Pulmonary tuberculosis, Lung abscess, Pleural effusion, Cysts and Tumours, Chest injuries, Respiratory arrest and insufficiency, Pulmonary embolism, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of respiratory disorders

UNIT - 4**30 Hrs**

Nursing management of patient (adults including elderly) with disorders of digestive system: Review of anatomy and physiology of digestive system, Nursing Assessment –History and physical assessment, Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management, Disorders of Oral cavity – lips, gums, tongue, salivary glands and teeth, Oesophagus-inflammation stricture, obstruction, bleeding and tumours, Stomach and deudenum-hiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis, Small intestinal disorders- inflammation & infection, enteritis, malabsorption, obstruction, tumour and perforation, Large intestinal disorders-Colitis, inflammation and infection, obstruction and tumour and lump, Hernias, Appendix – inflammation, mass, abscess, rupture, Anal & Rectum ; hemorrhoides, fissures, Fistulas, Peritonitis/acute abdomen, Pancreas; inflammation, cyst, abscess and tumours, Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours, Gall Bladder; inflammation, obstruction, stones and tumours, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of disorders of digestive system

UNIT - 5**30 Hrs**

Nursing management of patient (adults including elderly) with blood and cardio vascular problems:Review of anatomy and physiology of blood and cardio vascular system, Nursing Assessment –History and Physical assessment, Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – Vascular system, Hypertension, Hypotension, Artherosclerosis, Raynaud's disease, Aneurism and Perpherial vascular disorders of Heart, Coronary artery diseases, Ischemic Heart Disease, Cornory atherosclerosis, Angina pectoris, Myocardial infarction, Valvular disorders of the heart, Congenital and acquired, Rheumatic Heart diseases, Endocarditis, Pericarditis Myocarditis, Cardio Myopathies, Cardiac dysrhythmias, Heart Block, Congestive cardiac failure, Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade, Cardiac emergencies and arrest, Cardio Pulmonary Resuscitation (CPR), Blood – Anaemias, Polycythemia, Bleeding disorders; clotting factor defects and platelets defects, Thalassemia, Leukaemias, Leukopenias

and agranulocytosis, Lymphomas, Myelomas, Special therapies, Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion, Management & counseling of blood donors, phlebotomy procedure, & post donation management Blood bank functioning & hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion, Role of a nurse in Organ donation, retrieval and banking, Alternative therapies, Nursing procedures, Drugs used in treatment of blood and cardio vascular disorders

UNIT -6

10 Hrs

Nursing management of patient (adults including elderly) with genito-urinary problems:

Review of anatomy and physiology of genito-urinary system, Nursing Assessment –History and Physical assessment, Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics and nursing management of – Nephritis, Nephrotic syndrome, Nephrosis, Renal calculus, Tumours, Acute renal failure, Chronic renal failure, End stage renal disease, Dialysis, renal transport, Congenital disorders, urinary infections, Benign prostate hypertrophy, Disorders of ureter, urinary bladder and urethra- inflammation, infection, stricture.obstruction, tumour, prostate Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of genito-urinary disorders

UNIT -7

5 Hrs

Nursing management of disorders of male (adults including elderly) reproductive system:

Review of anatomy and physiology of male reproductive system, Nursing Assessment - History and physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of male reproductive system, Congenital malformations; cryptorchidism, Hypospadiasis, Epispadiasis, Infections, Testis and adjacent structures, Penis, Prostate: inflammation, infection, hypertrophy, tumour, Sexual Dysfunction, Infertility, Contraception, Breast ; gynecomastia, tumour, Climacteric changes, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of disorders of male reproductive system

UNIT -8

10 Hrs

Nursing management of patient (adults including elderly) with disorders of endocrinesystem :

Review of anatomy and physiology endocrine system, Nursing Assessment - History and Physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – Disorders of Thyroid and Parathyroid, Diabetes mellitus, Diabetes insipidus, Adrenal tumour, Pituitary disorders, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of disorders of endocrine system

UNIT – 9

10 Hrs

Nursing management of patient (adults including elderly) with disorders of Integumentary system

:Review of anatomy and physiology of Skin and its appendages, Nursing Assessment -History and Physical assessment, Etiology, Pathophysiology, clinical

manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of skin and its appendages, Lesions and abrasions, Infection and infestations; Dermatitis, Dermatoses ; infectious and Non infectious, “inflammatory dermatoses”, Acne Vulgaris, Allergies and Eczema, Psoriasis, Malignant melanoma, Alopecia, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of disorders of Integumentary system

UNIT -10

15 Hrs

Nursing management of patient (adults including elderly) with musculo-skeletal problems: Review of anatomy and physiology of musculo-skeletal system, Nursing Assessment -History and Physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – Disorders of : Muscles, Ligaments and Joints- inflammation, infection, trauma, Bones –inflammation, infection, dislocation, fracture, tumour and trauma, Osteomalacia and osteoporosis, Arthritis, Congenital deformities, Spinal column – defects & deformities, Tumor, Prolapsed inter vertebral disc, pott’s spine, Paget’s disease, Amputation, Prosthesis, Transplant & replacement surgeries, Rehabilitation, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of disorders of musculoskeletal system

UNIT – 11

10 Hrs

Nursing management of patient (adults including elderly) with Immunological problems: Review of Immune system, Nursing Assessment -History and Physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – Immunodeficiency disorder, Primary immuno deficiency, Phagocytic dysfunction, B-cell and T-cell deficiencies, Secondary immuno-deficiencies, Acquired immunodeficiency syndrome (AIDS), Incidence of HIV & AIDS, Epidemiology, Transmission - Prevention of Transmission, Standard Safety precautions, Role of Nurse; Counseling, Health education and home care consideration, National AIDS Control Program- NACO, various national and international agencies, Infection control program, Rehabilitation, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of disorders of immunological system

UNIT - 12

20 Hrs

Nursing management of patient (adults including elderly) with Communicable Diseases : Overview of infectious disease, the infectious process, Nursing Assessment -History and Physical assessment, Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common Communicable Diseases- Tuberculosis, Diarrhoeal diseases, Hepatitis A- E, Herpes, Chickenpox, Smallpox, Typhoid, Meningitis, Gas gangrene, Leprosy, Dengue, Plague, Malaria, Diptheria, Pertussis, Poliomyelitis, Measles, Mumps, Influenza, Tetanus, Yellow fever, Filariasis, HIV, AIDS, Reproductive Tract Infections, Special Infection control measures : Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of Communicable diseases

UNIT – 13**25 Hrs**

Peri operative nursing : Organisation and Physical set up of the Operation Theatre (OT), Classifications, O.T.design, Staffing, Members of the OT team, Duties and responsibilities of nurse in O.T., Principles of Health and operating room attire, Instruments, Sutures & suture materials, Equipments, O.T. tables and sets for common surgical procedures, Positions and draping for common surgical procedures, Scrubbing procedures, Gowning and gloving, Preparation of O.T. Sets, Monitoring the patient during surgical procedures, Maintenance of therapeutic environment in O.T, Standard Safety measures, Infection control ; fumigation, disinfection and sterilisation, Biomedical waste management, Prevention of accidents and hazards in O.T, Anaesthesia, Types, Methods of administration, Effects and Stages, Equipments, Drugs, Cardio Pulmonary Resuscitation (CPR), Pain management techniques, Legal Aspects

TEXT BOOKS:

1. Smeltzer& Bare, Brunner &Suddharth's Textbook of Medical Surgical Nursing, 10th edition, Lippincott Publishers, New York, 2004.
2. Black Joyce.M., Medical Surgical Nursing, volume 1 & volume 2, 10th edition, Saunders Publishers, S.T.Louis, 2007.
3. Phips Wilma J, Shafer's Medical surgical nursing, 7th edition, BT Publishers, Bangalore, 1995.
4. Bhughman Diane C, Handbook of Brunner &Suddharth's Textbook of Medical Surgical Nursing, 1st edition, Lippincott Publishers, New York, 2004.

REFERENCE BOOKS:

1. Williams Linda, UnderstandingMedical Surgical Nursing, 5thedition, Jaypee publishers, New Delhi, 2010.
2. Lewis, Medical Surgical Nursing, 2nd edition, Elsevier publishers, Philadelphia, 2015.
3. Lee Richardved, Medical Care of the Pregnant Patient, 1st Edition, American College Publishers, Philadelphia, 2000.
4. Usha Nair, Textbook of Medical Surgical Nursing, 1st edition, Jaypee publishers, New Delhi, 2009.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16NS205
TITLE OF THE COURSE : COMMUNITY HEALTH NURSING-I
L: T/A:P: C : 90 :2 : 135 : 0

COURSE OBJECTIVES :

To appreciate the principles of promotion and maintenance of health

COURSE OUTCOMES:

1. Describe concept and dimensions of health
2. Describe determinants of health
3. Describe concept, scope, uses methods and approaches of epidemiology
4. Describe Epidemiology and nursing management of common Communicable diseases
5. Describe Epidemiology and nursing management of common Non- communicable diseases
6. Describe the concepts & scope of Demography
7. Describe methods of data collection, analysis & interpretation of demographic data
8. Identify the impact of population explosion in India
9. Describe methods of population control

UNIT – 1

2 Hrs

Introduction: Community health nursing, Definition, concept and dimensions of health, Promotion of health, Maintenance of health

UNIT – 2

20 Hrs

Determinants of health : Eugenics, Environment - Physical : Air, light, Ventilation, Water, Housing, Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication: infrastructure facilities and Linkages, Acts regulating the environment: National Pollution control board, Bacterial & viral: Agents, host carriers and immunity, Arthropods and Rodents, Food hygiene: Production, Preservation, Purchase, Preparation, Consumption, Acts regulating food hygiene- Prevention of food adulteration act, drugs and cosmetic act, Socio-cultural Customs, taboos, Marriage system, Family structure, Status of special groups; Females, Children, Elderly, challenged groups and Sick persons, Life Style, Hygiene, Physical activity, Recreation and sleep, Sexual life, Spiritual life philosophy, Self reliance, Dietary pattern, Education, Occupation, Financial Management, Income, Budget, Purchasing power, Security

UNIT - 3**10 Hrs**

Epidemiology : Definition, concept, aims, scope, uses and terminology used in epidemiology, Dynamics of disease transmission: epidemiological traid, Morbidity and mortality: measurements, Levels of prevention, Methods of epidemiology of Descriptive, Analytical: Epidemic investigation, Experimental,

UNIT - 4**25 Hrs**

Epidemiology and nursing management of common Communicable Diseases : Respiratory infections - Small Pox, Chicken Pox, Measles, Influenza, Rubella, ARI's & Pneumonia, Mumps, Diphtheria, Whooping cough, Meningococcal meningitis, Tuberculosis, SARS. Intestinal Infections - Poliomyelitis, Viral Hepatitis, Cholera, Diarrhoeal diseases, Typhoid Fever, Food poisoning, Amoebiasis, Hook worm infection, Ascariasis, Dracunculiasis, Arthropod infections - Dengue, Malaria, Filariasis, Zoonoses Viral - Rabies, Yellow fever, Japanese encephalitis, Kyasnur Forest Disease Bacterial - Brucellosis, Plague, Human Salmonellosis, Anthrax, Leptospirosis Rickettsial diseases - Rickettsial Zoonoses, Scrub typhus, Murine typhus, Tick typhus, Q fever Parasitic zoonoses - Taeniasis, Hydatid disease, Leishmaniasis, Surface infection - Trachoma, Tetanus, Leprosy, STD & RTI, Yaws, HIV/AIDS, Any other
Recreation and sleep, sexual life.

UNIT - 5**10 Hrs**

Epidemiology and nursing management of Non -communicable diseases : Malnutrition- under nutrition, over nutrition, nutritional deficiencies, Anaemia, Hypertension, Stroke, Rheumatic Heart Disease, Coronary Heart Disease, Cancer, Diabetes mellitus, Blindness, Accidents, Mental illness, Obesity, Iodine deficiency, Fluorosis, Epilepsy

UNIT - 6**6 Hrs**

Demography: Definition, concept and scope, Methods of collection, analysis & interpretation of demographic data, Demographic rates and ratios

UNIT - 7**17 Hrs**

Population and its control: Population explosion and its impact on social, economic development of individual, society and country, Population control - Overall development: Women empowerment, social, economic and educational development, Limiting family size- Promotion of small family norm, Methods : spacing (natural, biological, chemical, mechanical methods etc), Terminal : surgical methods, Emergency contraception

TEXT BOOKS:

1. Park. K, Essentials of Community Health Nursing, 3rd Edition, BanarsidasBhanot Publishers, Jodel, 2000
2. Rao Kasturi sunder, Introduction to Community Health Nursing, 3rd Edition, BI publications, Chennai, 2000.

3. Rao Sridhar, Principles of community medicine, 3rd Edition, AITBS Publishers, New Delhi, 2002.
4. Stanhope, Community Health Nursing, 1st edition, Mosby publishers, Philadelphia, 2002.

REFERENCE BOOKS:

1. Gupta.MC.& Mahajan, Textbook Of Preventive And Social Medicine, 3rd Edition, Jaypee Publishers, New Delhi, 2003.
2. Park.J.E, Textbook of Preventive And Social Medicine, 18th Edition, BanarsidasBhanot Publishers, Jabalpur, 2005.
3. Clemen Stone, Susan, Comprehensive Community Health Nursing, 8th edition, BI Waverrly publishers, New Delhi, 1998.
4. Hunt Roberta, Introduction to Community Based Nursing, 2nd Edition, Lippincott Publishers, Philadelphia, 2001.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16NS206
TITLE OF THE COURSE : COMMUNICATION & EDUCATIONAL TECHNOLOGY
L: T/A:P: C : 60 :2 : 30 : 0

COURSE OBJECTIVES :

1. To help the students acquire an understanding of the principles and methods of communication and teaching.
2. To develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and group in clinical, community health and educational settings.

COURSE OUTCOMES:

1. Describe the communication process
2. Identify techniques of effective communication
3. Establish effective interpersonal relations with patients families & co-workers
4. Develop effective human relations in context of nursing
5. Develop basic skill of counseling and guidance
6. Describe the philosophy & principles of education
7. Explain the teaching learning process
8. Demonstrate teaching skill using various teaching methods in clinical, classroom & community settings
9. Prepare and use different types of educational media effectively
10. Prepare different types of questions for assessment of knowledge, skills and attitudes

UNIT -1

5 Hrs

Review of Communication Process: Process; elements and channel, Facilitators, Barriers and methods of overcoming, Technique

UNIT - 2

5 Hrs

Interpersonal relations : Purpose & types, Phases, Barriers & methods of overcoming, Johari Window

UNIT - 3

5 Hrs

Human relations : Understanding self, Social behaviour, motivation, social attitudes, Individual and groups, Groups & individual, Human relations in context of nursing, Group dynamics, Team work

UNIT – 4**10, 5 Hrs**

Guidance & counseling : Definition, Purpose, scope & need, Basic principles, Organization of counseling services, Types of counseling approaches, Role and preparation of counselor, Issues for counseling in nursing: students and practitioners, Counselling process – steps & techniques, tools of counselor, Managing disciplinary problems, Management of crisis & referral

UNIT – 5**5 Hrs**

Principles of education & teaching learning process : Education: meaning, philosophy, aims, functions & Principles, Nature and characteristics of learning, Principles and maxims of teaching, Formulating objectives: general and specific, Lesson planning, Classroom management

UNIT – 6**10, 10 Hrs**

Methods of teaching : Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching problem based learning, Self instructional and simulation etc., Clinical teaching methods : case method, nursing round & reports, bedside clinic, conference (individual & group) process recording

UNIT – 7**10, 8 Hrs**

Educational media : Purposes & types of A.V. Aids, principles and sources etc, Graphic aids - chalk board, chart, graph, poster, flash cards, flannel graph, bulletin, cartoon, Three dimensional aids : objects, specimens, models, puppets, Printed aids: pamphlets & leaflets, Projected aids : slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD, Audio aids : tape recorder public address system, Computer

UNIT – 8**5, 7 Hrs**

Assessment : Purpose & scope of evaluation & assessment, Criteria for selection of assessment techniques and methods, Assessment of knowledge: essay type questions, Short answer questions (SAQ), Multiple choice questions (MCQ), Assessment of skills : observation checklist, practical exam, Viva, Objective structured, clinical examination (OSCE), Assessment of Attitudes: Attitude scales

UNIT – 9**4 Hrs**

Information, Education& communication for health (IEC) : Health behavior & health education, Planning for health education, Health education with individuals, groups & communities, Communicating health messages, Methods & media for communicating health messages, Using mass media, Assess the strategies used in practice teaching sessions and exercise sessions

TEXT BOOKS:

1. Clement, T/B of communication & education & Technology, 1st edition, Jaypee publishers, New Delhi, 2010.
2. Neeraja, T/B of Communication and Education technology for nurses, 1st edition, Jaypee publishers, New Delhi, 2011.
3. Basavanthappa, Communication and education technology for nurses, 1st edition, Jaypee publishers, New Delhi, 2011.

REFERENCE BOOKS:

1. Veerabhadrapppa, the short textbook of nursing education, 1st edition, Jaypee publishers, New Delhi, 2011.
2. Buttar, T/B of communication technology education technology, 1st edition, Jaypee publishers, New Delhi, 2020.
3. Pramila R, Nursing communication & education technology, 1st edition, Jaypee publishers, New Delhi, 2010.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16NS271
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING -I (PRACTICAL)
L: T/A:P: C : 0 :0 : 720 : 0

COURSE OBJECTIVES :

To acquire knowledge and develop proficiency skills in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

COURSE OUTCOMES:

1. Provide nursing care to adult patients with medical disorders
2. Counsel and educate patients and families
3. Provide pre and post operative nursing care to adult patients with surgical disorders
4. Counsel and educate patients and families
5. Provide nursing care to patients with cardiac disorders
6. Counsel and educate patients and families
7. Identify skin problems
8. Provide nursing care to patients with skin disorders & Communicable diseases
9. Counsel and educate patients and families
10. Provide nursing care to patients with musculo -skeletal disorders
11. Counsel and educate patients and families
12. Identify instruments used in common operations
13. Participate in Infection control practices in the Operation Theatre
14. Set-up the table/ trolleys for common operative procedures
15. Assist in giving anesthesia
16. Assist in the operative procedures
17. Provide peri operative nursing care

Assessment of the patient: Taking history, Perform general and specific physical examination, Identify alterations and deviations, Practice medical surgical asepsis-standard safety measures, Administer medications - Oral, IV, IM, Subcutaneous, IV therapy, IV canulation, Maintenance and monitoring, Oxygen therapy by different methods, Nebulization, Chest physiotherapy, Naso gastric feeding, Assist in common diagnostic, Perform/Assist in therapeutic procedures, Blood and component therapy, Throat Suctioning, Collect specimens for common investigations, Maintain elimination,

Catheterisation, Bowel wash, Enema, Urinary drainage, Maintain Intake, output and documentation, Counsel and teach related to specific disease conditions

Practice medical surgical asepsis: standard safety measures, Pre operative preparation of patients, Post operative care-Receiving pt, assessment, monitoring care, Care of wounds and drainage, Suture removal, Ambulation and exercise, Naso gastric aspiration, Care of chest drainage, Ostomy care, Gastrostomy, Colostomy, Blood & component therapy, Practice universal precautions

Physical examination of cardio vascular system: Recording and interpreting ECG, Monitoring of patients, Preparation and assisting in non-invasive and invasive diagnostic procedures, Administer cardiac drugs, Cardio pulmonary Resuscitation, Teach patients and families, Practice medical and surgical asepsis –Standard safety measures

Assessment of patients with skin disorders: Assist in diagnostic and therapeutic procedures, Administer topical medication, Practice medical surgical asepsis – Standard safety measures, Use of personal protective equipment (PPE), Give medicated baths, Counseling HIV positive patients, Teach prevention of infectious diseases

Assessment of orthopaedic patients: Assist in application of plaster cast and removal of cast, Apply skin traction-buck's extension traction, Assist in application and removal of prosthesis, Physiotherapy -Range of motion exercises (ROM), muscle strengthening exercises, Crutch maneuvering technique, Activities of daily living, Ambulation, Teach and counsel patients & families

Scrubbing, gowning gloving: Identify instruments suturing materials for common operations, Disinfection, Carbolization, fumigation, Preparation of instrument sets for common operations, Sterilization of sharps and other instruments, Prepare the OT table depending upon the operation, Positioning and monitoring of patients, Endotracheal intubation, Assisting in minor and major operations, Handling specimens, Disposal of waste as per the guidelines

MEDICAL SURGICAL NURSING I-PRACTICAL

Total Hours – 720 hours

Total Weeks- 24 weeks

Sl no	Department	No.of weeks
1.	General Medical Ward	06
2.	General Surgical Ward	06
3.	Cardiology Ward	02
4.	Skin and communicable diseases ward	02
5.	Orthopaedic ward	02
6.	Operation Theatre	06
TOTAL		24 weeks

Total Hours- **24weeks x 05 days x 06 hours =720 hours**

COMMUNITY HEALTH NURSING–PRACTICAL

COURSE OBJECTIVES:

To appreciate the principles of promotion and maintenance of health

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

Contents:

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 Haemoglobin 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

Total Hours-135 hours

Total Weeks-4.5 weeks

Sl no	Area	Total no. of weeks
1	Rural area	2.5 weeks
2	Urban Area	2weeks

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

SEMESTER/YEAR : III YEAR
COURSE CODE :16NS301
TITLE OF THE COURSE :Medical Surgical Nursing-II (THEORY)
L: T/A:P: C : 120 :2 : 0 : 0

COURSE OBJECTIVES :

To acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

COURSE OUTCOMES:

1. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat
2. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye.
3. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with neurological disorders
4. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with disorders of female reproductive system
5. Describe concepts of reproductive health & family welfare programme
6. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with Burns, reconstructive and cosmetic surgery
7. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with oncology
8. Describe organization of emergency & disaster care services
9. Describe the role of nurse in disaster management
10. Describe the role of nurse in management of common Emergencies
11. Explain the concept and problems of aging
12. Describe nursing care of the elderly
13. Describe organization of critical care units
14. Describe the role of nurse in management of patients critical care units
15. Describe the etiology, pathophysiology, clinical manifestations,

16. assessment, diagnostic measures & management of patients with occupational and industrial health disorder

UNIT-1

15Hrs

Nursing management of patient with disorders of Ear Nose and Throat :Review of anatomy and physiology of the Ear Nose and Throat ,Nursing assessment- History and Physical assessment ,Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Ear Nose & Throat disorders: External ear; deformities otalgia, foreign bodies, and tumours, Middle Ear – Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours ,Inner ear – Meniere’s Disease, labyrinthitis, ototoxicity, tumours ,Upper airway infections – Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis ,Upper respiratory airway – epistaxis, Nasal obstruction, laryngeal obstruction, cancer of the larynx, Cancer of the oral cavity ,Speech defects and speech therapy, Deafness –Prevention, control and rehabilitation, Hearing Aids, implanted hearing devices, Special Therapies, Nursing procedures, Drugs used in treatment of disorders of Ear Nose and Throat, Role of nurse Communicating with hearing impaired and muteness.

UNIT- 2

15 Hrs

Nursing management of patient with disorder of eye : Review of anatomy and physiology of the eye –Nursing Assessment - History and Physical assessment ,Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of eye disorders: Refractive errors, Eyelids-infection, tumours & deformities, Conjunctiva - inflammation and infection, bleeding ,Cornea-inflammation and infection,Lens-Cataracts, Glaucoma, Disorder of the uveal tract, Ocular tumours, Disorders of posterior chamber & retina : retinal and vitreous problems, Retinal detachment ,Ocular emergencies and their prevention ,Blindness, National blindness control program ,Eye Banking, Eye prostheses and Rehabilitation ,Role of nurse - Communication with visually impaired patient, Eye camps ,Special Therapies ,Nursing procedures, Drugs used in treatment of disorders of eye

UNIT – 3

16 Hrs

Nursing management of patient with neurological disorders : Review of anatomy and physiology of the neurological system ,Nursing Assessment - History and Physical and neurological ,Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of neurological disorders, Congenital malformations ,Headache ,Head Injuries ,Spinal Injuries, Paraplegia, Hemiplegia, Quadraplegia Spinal cord compression-herniation of intervertebral disc ,Tumors of the brain & spinal cord, Intra cranial & cerebral aneurysms ,Infections ;Meningitis, Encephalitis, Brain abscess, neurocysticercosis, Movement disorders: Chorea,

Seizures, Epilepsies, Cerebro Vascular Accidents (CVA), Cranial, Spinal Neuropathies - Bell's palsy, trigeminal neuralgia, Peripheral Neuropathies; Guillain-Barré Syndrome, Myasthenia gravis, Multiple sclerosis, Degenerative diseases: Delirium, Dementia, Alzheimer's disease, Parkinson's disease, Management of unconscious patients & patients with stroke, Role of the nurse in communicating with patient having neurological deficit, Rehabilitation of patients with neurological deficit, Role of nurse in long stay facility (institutions) and at home, Special Therapies, Nursing procedures, Drugs used in treatment of neurological disorders

UNIT - 4

16 Hrs

Nursing management of patients with disorders of female reproductive system :

Review of anatomy and physiology of the female reproductive system, Nursing Assessment - History and Physical assessment, Breast Self Examination, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of disorder of female reproductive system, Congenital abnormalities of female reproductive system, Sexuality & Reproductive Health, Sexual Health Assessment, Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome, Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia, Pelvic Inflammatory Disease - Ovarian and fallopian tube disorders; infections, cysts, tumours, Uterine & cervical disorders; Endometriosis, polyps, Fibroids, Cervical & uterine tumours, uterine displacement, Cystocele/ Urethrocele/ Rectocele, Vaginal disorders; Infections, cysts, tumours, Diseases of breasts; Deformities, Infections, Cysts and Tumours, Menopause and Hormonal Replacement Therapy, Infertility, Contraception; Types Methods, Risk and effectiveness: Spacing Methods- Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, etc, Terminal methods- Sterilization, Emergency Contraception methods, Abortion - Natural, Medical & surgical abortion - MTP Act, Toxic Shock Syndrome, Injuries & Trauma; Sexual violence, Special Therapies, Nursing procedures, Drugs used in treatment of gynecological disorders, National family welfare programme.

UNIT - 5

10 Hrs

Nursing management of patients with Burns, reconstructive & cosmetic surgery

:Review of anatomy and physiology of the skin & connective tissues and various deformities, Nursing Assessment - History and Physical assessment & Assessment of burns & fluid and electrolyte loss, Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Burns & Re-constructive and Cosmetic surgery; Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries & cosmetic purposes, Role of Nurse, Legal aspects, Rehabilitation, Special therapies; Psycho social aspects, Nursing procedures, Drugs used in treatment of Burns, reconstructive and cosmetic surgery

UNIT -6

10 Hrs

Nursing management of patients with oncological conditions : Structure & characteristics of normal & cancer cell, Nursing Assessment - History and Physical

assessment, Prevention, Screening, Early detection, Warning signs of cancer ,Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of oncological conditions ,Common malignancies of various body systems ; Oral, larynx, lung, Stomach & Colon, Liver, Leukemias & lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc ,Oncological emergencies,Modalities of treatment: Immunotherapy, Chemotherapy, Radiotherapy, Surgical Interventions, Stem cell and Bone marrow transplants ,Gene therapy ,Other forms of treatment Psychosocial aspects of cancer ,Rehabilitation, Palliative care; Symptom and Pain Management, Nutritional support, Home care, Hospice care, Stomal Therapy, special therapies, psychosocial aspects, nursing procedures

UNIT -7

10 Hrs

Nursing management of patient in Emergency & Disaster situations :Disaster Nursing ;Concepts & principles of Disaster Nursing, Causes and Types of Disaster ,Natural and Man-made ,Earthquakes, Floods, Epidemics, Cyclones, Fire, Explosion, Accidents, Violence, Terrorism, bio-chemical, War,Policies related to emergency/disaster management; International, national, state, institutional ,Disaster preparedness;Team, Guidelines, protocols, Equipments, Resources ,Coordination and involvement of; Community, various govt. departments, non-govt. organizations & International agencies ,Role of nurse, working ,Legal Aspects of Disaster Nursing ,Impact on Health and after effects; Post Traumatic Stress Disorder ,Rehabilitation; physical, psycho-social, Financial, Relocation. Emergency Nursing ;Concept, priorities, principles & scope of emergency nursing ,Organization of emergency services, physical setup, staffing, equipment and supplies, protocols, Concepts of triage & role of triage nurse ,Coordination & involvement of different departments & facilities, Nursing Assessment- History and Physical assessment, Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of patient with medical & surgical Emergency ,Principles of emergency management, Common Emergencies; Respiratory Emergencies, Cardiac Emergencies, Shock & Haemorrhage, Pain, Poly-Trauma, road accidents, crush injuries, wound, Bites, Poisoning; Food, Gas, Drugs & chemical poisoning, Seizures, Thermal Emergencies, Heat stroke & Cold injuries, Pediatric Emergencies, Psychiatric Emergencies, Obstetrical Emergencies, Violence, Abuse, Sexual assault, Cardio Pulmonary Resuscitation, Crisis Intervention, Role of the nurse; Communication & Inter personal Relations, Medico-Legal Aspects.

UNIT- 8

10 Hrs

Nursing care of the elderly : Nursing Assessment –History & Physical assessment, Ageing; Demography; Myths and realities ,Concepts & theories of ageing ,Cognitive Aspects of Ageing ,Normal biological ageing, Age related body systems changes ,Psychosocial

Aspects of Ageing ,Medications and elderly ,Stress & coping in older adults, Common Health Problems & Nursing Management, Cardiovascular, Respiratory, Musculoskeletal, ,Endocrine, genitor-urinary, gastrointestinal, Neurological, Skin and other Sensory organs ,Psychosocial and Sexual, Abuse of elderly .Role of nurse for care of elderly, ambulation, nutritional, communicational, psychosocial & spiritual ,Role of nurse for caregivers of elderly, Role of family and formal and non formal caregivers, Use of aids & prosthesis (hearing aids, dentures, Legal & Ethical Issues, Provisions & Programmes for elderly; privileges, Community Programs and health services; Home & institutional care

UNIT - 9

10 Hrs

Nursing management of patient in critical care units : Nursing Assessment –History & Physical assessment, Classification, Principles of critical care nursing ,Organization; Physical setup, Policies, staffing norms, Protocols, equipment and supplies, Special equipments; ventilators, cardiac monitors, defibrillators, Resuscitation equipment, Infection Control Protocols Nursing management of critically ill patient; Monitoring of critically ill patient, CPR-Advance Cardiac Life support, Treatments & procedures, Transitional care ,Ethical & Legal Aspects, Communication with patient and family, Intensive care records, Crisis Intervention, Death & Dying-coping with ,Drugs used in critical care unit

UNIT - 10

8 Hrs

Nursing management of patients adults including elderly with Occupational and Industrial disorders : Nursing Assessment –History & Physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of occupational and industrial health disorders, Role of nurse, Special Therapies, alternative therapies ,Nursing procedures, Drugs used in treatment of Occupational & Industrial disorders.

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. Phips Wilma J,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.

SEMESTER/YEAR : III YEAR
COURSE CODE :16NS302
TITLE OF THE COURSE : **Child Health Nursing**
L: T/A:P: C : 90 :2 : 0 : 0

COURSE OBJECTIVES :

For developing an understanding of the modern approach to child care, identification, prevention and nursing management of common health problems of neonates and children

COURSE OUTCOMES:

1. Explain the modern concept of child care & principles of child health Nursing
2. Describe national policy programs and legislation in relation to child health and welfare.
3. List major causes of death during infancy, early & late childhood
4. Describe the major functions and role of the paediatric nurse in caring for a hospitalized child.
5. Describe the principles of child health nursing
6. Describe the Normal growth & development of children at different ages
7. Identify the needs of children at different ages & provide parental guidance
8. Identify the nutritional needs of children at different ages and ways of meeting the needs
9. Appreciate the role of play for normal & sick children
10. Appreciate the preventive measures and strategies for children
11. Provide care to normal & high risk neonates
12. Perform neonatal resuscitation
13. Recognize and manage common neonatal problems
14. Provide nursing care in common childhood diseases
15. Identify measures to prevent common childhood diseases including immunization
16. Manage the child with behavioural & social problems
17. Identify the social & welfare services for challenged children.

UNIT- 1**15 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, Agencies related to welfare services to the children, 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, Impact of hospitalization on the child and family, Grief and bereavement ,The role of a Child health nurse in caring for a hospitalised child,Principles of pre and post operative care of infants and children,Child health nursing procedures:Restraints, Methods of oxygen administration,Lumbar puncture,Total parenteral nutrition,Spoon / Paladai feeding,Phototherapy,Radiant warmer,Incubator

UNIT -2**20 Hrs**

The healthy child:Principles of growth and development, Factors affecting growth & development, 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, exclusive breast feeding supplementary/artificial feeding and weaning, Baby friendly hospital concept ,Accidents: causes and prevention, Value of play and selection of play material, Preventive immunization, immunization programme and cold chain, Preventive paediatrics,Care of under five & under five clinics/well baby clinics

UNIT -3**15 Hrs**

Nursing care of a neonate :Nursing care of a normal newborn/Essential newborn care ,Neonatal resuscitation,Nursing management of a low birth weight baby, Pre mature babies,Kangaroo mother care,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,Identification & nursing management of common congenital malformations

UNIT -4**10 Hrs**

Integrated management of neonatal and childhood illnesses (IMNCI):

UNIT -5**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, hirschsprung disease, hepatitis, TEA&F, 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 parathyroidism, Hypo & Hyper pituitarism, Addison's disease, Cushing syndrome, Orthopedic disorders ; club feet, hip dislocation and fracture, Disorders of skin, eye, & ears – 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, Nursing care of infant and children with HIV/AIDS

UNIT-6

10 Hrs

Management of behavioural & social problems in children Management of common behavioural disorders – in infants, toddler, preschooler and schooler, ADHD, Management of common psychiatric problems- autism, Management of challenged children ; Mentally, Physically, & socially challenged, Welfare services for challenged children in India , Child guidance clinics

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. Gupte, Short Textbook of paediatrics, 10th edition, Jaypee, New Delhi, 2004.

REFERENCE BOOKS:

1. Behrman, Richard K & Vaughan, Nelson, 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 New born, 6th edition, Sagar, New Delhi, 2004.
4. Chellappa.J, Paediatric Nursing, 1st edition, Gajanana Pub, Bangalore, 1995.
5. Rollant.P.D, Paediatric Nursing, 1st edition, Mosby, S.T Louis, 1996.

SEMESTER/YEAR : **III YEAR**
COURSE CODE : **16NS303**
TITLE OF THE COURSE : **MENTAL HEALTH NURSING**
L: T/A:P: C : **90 :2 : 0 : 0**

COURSE OBJECTIVES :

For developing an understanding of the modern approach to mental health, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community

COURSE OUTCOMES:

1. Describes the historical development & current trends in mental health nursing
2. Describe the epidemiology of mental health problems
3. Describe the National Mental Health Act, programs and mental health policy
4. Discusses the scope of mental health nursing
5. Describe the concept of normal & abnormal behaviour
6. Defines the various terms used in mental health Nursing
7. Explains the classification of mental disorders
8. Explain psycho dynamics of maladaptive behavior
9. Discuss the etiological factors, psychopathology of mental disorders
10. Explain the Principles and standards of Mental Health Nursing
11. Describe the conceptual models of mental health nursing
12. Describe nature, purpose & process of assessment of mental health status
13. Identify therapeutic communication techniques
14. Describe therapeutic relationship
15. Describe therapeutic impasse and its intervention
16. Explain treatment modalities & therapies used in mental disorders and role of the nurse
17. Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria & management of patients with Schizophrenia, and other psychotic disorders
18. Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders
19. Describe the etiology , psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders

20. Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders
21. Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual & Eating disorders
22. Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency
23. Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of organic brain disorders
24. Identify psychiatric emergencies and carry out crisis intervention
25. Explain legal aspects applied in mental health settings and role of the nurse
26. Describe the model of preventive psychiatry
27. Describes Community Mental health of the nurse

UNIT- 1

5 Hrs

Introduction: Perspectives of Mental Health and Mental Health nursing ,Evolution of mental health services, treatments and nursing practices, Prevalence and incidence of mental health problems and disorders, Mental Health Act, National Mental health policy vis a vis National health policy, National Mental health programme, Mental Health team ,Nature and scope of mental health nursing, Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice ,Concepts of normal and abnormal behavior

UNIT -2

05Hrs

Principles and Concepts of Mental Health Nursing : Definition: Mental Health nursing and terminology, Classification of mental disorders ; ICD, Review of personality development, defense mechanisms, Maladaptive behavior of individuals and groups: stress, crisis and disaster (s),Etiology , bio-psycho-social factors, Psychopathology of mental disorders, review of structure and function of brain, limbic system and abnormal neuro transmission, Principles of Mental Health Nursing, Standards of Mental health Nursing practice, Conceptual models and the role of nurse: Existential Model, Psycho-analytical models ,Behavioral model, Interpersonal model

UNIT -3**08Hrs**

Assessment of mental health status : History Taking, Mental status examination, Mini mental status examination, Neurological examination, Review, Investigations, Related Blood chemistry, EEG, CT & MRI, Psychological tests, Role and responsibilities of nurse

UNIT -4**6Hrs**

Therapeutic communication and nurse-patient relationship: Therapeutic communication, types, techniques, characteristics, Types of relationship, Ethics and responsibilities, Elements of nurse patient contract, Review of technique of IPR-Johari Window, Goals, phases, tasks, therapeutic techniques, Therapeutic impasse and its intervention

UNIT -5**14HRS**

Treatment modalities and therapies used in mental disorders: Psycho Pharmacology, Psychological therapies, Therapeutic community, psycho therapy-individual: psycho-analytical, cognitive & supportive, Family, Group, behavioural, Play, Psycho-drama, Music, Dance, Recreational & Light therapy, Relaxation therapies ; Yoga, Meditation, bio feedback, Alternative systems of medicine ,Occupational therapy, Physical Therapy: electro convulsive therapy, Geriatric considerations ,Role of nurse in above therapies

UNIT -6**5 Hrs**

Nursing management of patient with Schizophrenia, and other psychotic disorders Classification; ICD, Etiology, psycho-pathology, types, clinical manifestations, diagnosis, Nursing Assessment - History, Physical & mental assessment, Treatment modalities and nursing management of patients with Schizophrenia & other psychotic disorders, Geriatric considerations, Follow up and home care and rehabilitation

UNIT -7**5 Hrs**

Nursing management of patient with mood disorders: Mood disorders, Bipolar affective disorder, Maniadepression & dysthymia etc, Etiology, psycho-pathology, clinical manifestations, diagnosis, Nursing Assessment -History, Physical and mental assessment, Treatment modalities and nursing management of patients with mood disorders, Geriatric considerations, Follow-up and home care and rehabilitation

UNIT -8**08Hrs**

Nursing management of patient with neurotic, stress related and somatization disorders Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder, Etiology, psycho-pathology, clinical manifestations, diagnosis, Nursing Assessment-History, Physical & mental assessment, Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders ,Geriatric considerations, Follow-up and home care and rehabilitation

UNIT -9**5 Hrs**

Nursing management of patient with substance use disorders : Commonly used psychotropic substance, Classification, forms, routes, action, intoxication & withdrawal ,Etiology of dependence, tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, Nursing Assessment - History, Physical, mental assessment and drug assay, Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) & nursing management of patients with substance use disorders ,Geriatric considerations, Follow-up and home care and rehabilitation

UNIT -10**4 Hrs**

Nursing management of patient with Personality, Sexual & Eating disorders : Classification of disorders, Etiology, psycho-pathology, characteristics, diagnosis, Nursing assessment-History, Physical and mental assessment, Treatment modalities and nursing management of patients with Personality, Sexual & Eating disorders, Geriatric considerations, Follow-up and home care and rehabilitation.

UNIT -11**6Hrs**

Nursing management of child-hood and adolescent disorders including mental deficiency Classification ,Etiology, psycho-pathology, characteristics, diagnosis, Nursing assessment-History, Physical, mental and IQ assessment, Treatment modalities and nursing management of childhood disorders including mental deficiency, Follow-up and home care and rehabilitation

UNIT -12**5Hrs**

Nursing management of organic brain disorders: Classification , ICD, Etiology, psycho-pathology, clinical features, diagnosis, and Differential diagnosis (parkinsons and alzheimers),Nursing assessment-History, Physical, mental and neurological assessment, Treatment modalities and nursing management of organic brain disorders, Geriatric considerations, Follow-up and home care and rehabilitation

UNIT -13**6Hrs**

Psychiatric emergencies and crisis intervention: Types of psychiatric emergencies and their management ,Stress adaptation Model, stress and stressor, coping, resources and mechanism, Grief: theories of grieving process, principles, techniques of counseling ,Types of crisis, Crisis Intervention, Principles, Techniques and Process, Geriatric considerations, Role and responsibilities of nurse

UNIT - 14**4Hrs**

Legal issued in Mental Health Nursing :The Mental Health Act 1987, Act, sections, Articles & their implications etc, Indian Lunacy Act 1912,Rights of mentally ill clients, Forensic psychiatry, Acts related to narcotic and psychotropic substances and illegal drug trafficking, Admission and discharge procedures, Role and responsibilities of nurse

UNIT -15**4 Hrs**

Community Mental Health Nursing: Development of Community Mental Health Services, National Mental Health Programme, Institutionalization Versus Deinstitutionalization, Model of Preventive Psychiatry, Levels of Prevention, Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse, 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.

TEXT BOOKS:

1. Bimla Kapoor CV, A Text Book of Psychiatric Nursing, 1st edition, Kumar Publisher, Delhi, 2008.
2. Stuart W. G. Sundeen J. S, Principles and Practice of Psychiatric Nursing, 7th edition, Mosby Year Book, London, 2001.
3. Sreevani.R , A guide to Mental Health psychiatric nursing ,1st edition, Jaypee, New Delhi, 2008 .

REFERENCE BOOKS:

1. Ahuja Niraj ,A short Textbook of Psychiatry ,4th edition, Jaypee ,New Delhi, 2008.
2. Kaplan, Kaplan & Sadock , Concise Textbook of Clinical Psychiatry, LWW , 2008.
3. Townsend Mary, Psychiatric Health nursing, 3rd edition, F.A. Davis, Philadelphia, 2005
4. Boyd. Mary Ann, Psychiatric Nursing, 2nd edition, Lippincott, Philadelphia, 2002.
5. Schlitz ,Lippincott's Manual of Psychiatric Nursing Care Plans, LWW, 2009.

SEMESTER/YEAR : III YEAR
COURSE CODE :16NS304
TITLE OF THE COURSE : Nursing Research and Statistics
L: T/A:P: C : 60 :2 : 15 : 0

COURSE OBJECTIVES :

1. To enable students to develop and understanding of basic concepts of research, research process and statistics.
2. 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.

COURSE OUTCOMES:

1. Describe the concept of research, terms, need and areas of research in Nursing
2. Explain the steps of research process
3. Identify and state the research problem and objectives
4. Review the related literature
5. Describe the research approaches and designs
6. Explain the sampling process
7. Describe the methods of data collection
8. Analyze, interpret and summarize the research data
9. Explain the use of statistics, scales of measurement and graphical presentation of data
10. Describe the measures of central tendency and variability and methods of correlation.
11. Communicate and utilize the research findings

UNIT- 1

5 Hrs

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 studies.

UNIT -2

5 Hrs

Research problem / question : Identification of problem area, Problem statement, Criteria of a good research problem, writing objectives.

UNIT -3

5 Hrs

Review of Literature : Location, Sources, Online search; CINHALL, COCHRANE etc, Purposes, Method of review.

UNIT -4**5 Hrs**

Research approaches and designs: Historical, survey and experimental, Qualitative and quantitative designs.

UNIT -5**10 Hrs**

Sampling and Data Collection: Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques, Data – why, what, from, whom, when, where to collect, Data collection methods and instruments, Methods of data collection, Questioning, interviewing, Observations, record analysis and measurements, Types of instruments, Validity and reliability of the instrument, Pilot study, Data collection procedure

UNIT-6**5 Hrs**

Analysis of data: Compilation, Tabulation, classification, summarization, presentation, interpretation of data.

UNIT -7**20 Hrs**

Introduction to statistics: Definition, use of statistics, scales of measurement, Frequency distribution and graphical presentation of India, Mean, Median, Mode, Standard deviation, Normal probability and tests of significance, Co-efficient of correlation, Statistical packages and its application.

UNIT -8**5 Hrs**

Communication and Utilization of Research :Communication of Research findings, Verbal report, writing research report, writing scientific article/paper, Critical review of published research, Utilization of research findings

TEXT BOOKS:

1. Basavanthappa, B.T, Nursing Research, 1st edition, Jaypee Brothers, New Delhi, 1998.
2. Indrani P.K., T.K, Research Methods for Nurses, Jaypee Brothers, New Delhi, 2005.

REFERENCE BOOKS:

1. Patricia Nunhall, Nursing Research, James & Bar, Canada, 2001.
2. Mahajan, B.K, Methods in Biostatistics, Jaypee Brothers, New Delhi, 1999.
3. Rose Hott & Budin. Notter's, Essentials of Nursing Research, Spinger Publisher, New York, 1999.
4. Caroly M.H, Research Methods for Clinical Therapists Applied Project Design and Analysis, Churchill Livingstone 1999.

SEMESTER/YEAR : III YEAR
COURSE CODE :16NS371
TITLE OF THE COURSE : **MEDICAL SURGICAL NURSING-II (PRACTICAL)**
L: T/A:P: C : 0 :0 : 270 : 0

COURSE OBJECTIVES :

To acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

COURSE OUTCOMES:

1. Provide care to patients with ENT disorders
2. Counsel and educate patient and families
3. Provide care to patients with Eye disorders
4. Counsel and educate patient and families
5. Provide care to patients with neurological disorders
6. Counsel and educate patient and families
7. Provide care to patients with gynecological disorders
8. Counsel and educate patient and families
9. Provide care to patients with Burns
10. Counsel and educate patient and families
11. Provide care to patients with Cancer
12. Counsel and educate patient and families
13. Provide care to critically ill patients
14. Counsel patient and families for grief and bereavement
15. Provide care to patients in emergency and disaster situation
16. Counsel patient and families for grief and bereavement

Clinical Skills:

- Perform examination of ear, nose and throat
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Instillation of drops
- Perform/assist with irrigations
- Apply ear bandage
- Perform tracheostomy care
- Teach patients & families
- Perform examination of eye
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Perform/assist with irrigations
- Apply eye bandage
- Apply eye drops/ ointments
- Assist with foreign body removal

- Teach patients & families
- Perform Neurological Examination
- Use Glasgow coma scale
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Teach patients & families
- Participate in rehabilitation program
- Assist with gynecological Examination
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Teach patients families
- Teaching self Breast Examination
- Assist with PAP smear collection
- Assessment of the burns patient
 - Percentage of burns
 - Degree of burns
- Fluid & electrolyte replacement therapy
 - Assess
 - Calculate
 - Replace
 - Record intake/output
- Care of Burn wounds
 - Bathing
 - Dressing
- Perform active & passive exercises
- Practice medical & surgical asepsis
- Counsel & Teach patients and families
- Participate in rehabilitation program
- Screen for common cancers-TNM classification
- Assist with diagnostic procedures
 - Biopsies
 - Pap smear
 - Bone-marrow aspiration
- Breast examination
- Assist with therapeutic procedures
- Participates in various modalities of treatment
 - Chemotherapy
 - Radiotherapy
 - Pain management
 - Stomaltherapy
 - Hormonal therapy
 - Immuno therapy

- Gene therapy
- Alternative therapy
- Participating palliative care
- Counsel and teach patients families
- Self Breast Examination
- Warning signs
- Participate in rehabili-tation program
- Monitoring of patients in ICU
- Maintain flow sheet
- Care of patient on ventilators
- Perform Endotracheal suction
- Demonstrates use of ventilators, cardiac monitors etc.
- Collect specimens and interprets ABG analysis
- Assist with arterial puncture
- Maintain CVP line
- Pulse oximetry
- CPR – ALS
- Defibrillators
- Pace makers
- Bag-mask ventilation
- Emergency tray/trolley- Crash Cart
- Administration of drugs
- Infusion pump
- Epidural
- Intra thecal
- Intracardiac
- Total parenteral therapy
- Chest physiotherapy
- Perform active & passive exercises
- Counsel the patient and family in dealing with grieving and bereavement
- Practice “triage”
- Assist with assessment, examination, investiga-tions & their interpreta-tions, in emergency & disaster situations
- Assist in documentations
- Assist in legal procedures in emergency unit
- Participate in managing crowd
- Counsel patient & families in grief and bereavement

MEDICAL SURGICAL NURSING II-PRACTICAL

Total Hours-270
Total Weeks-09
weeks

Sl.No	Department	Total no. of weeks
1.	ENT	01 week
2.	Ophthalmology	01 week
3.	Neurology	01 week
4.	Gynecology	01 week
5.	Burns Unit	01 week
6.	Oncology Unit	01 week
7.	Critical Care Unit	02 week
8.	Casualty	01 week

Total Hours-**09 weeks x 05 days x 06 hours=270 hours**

SEMESTER/YEAR : III YEAR
COURSE CODE :16NS372
TITLE OF THE COURSE : CHILD HEALTH NURSING (PRACTICAL)
L: T/A:P: C : 0 :0 : 270 : 0

COURSE OBJECTIVES :

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. Provide nursing care to children with various medical disorders
2. Counsel and educate parents
3. Recognize different paediatric surgical conditions/malformations
4. Provide pre and post operative care to children with common paediatric surgical conditions/ malformation
5. Counsel and educate parents
6. Perform assessment of children: Health, Developmental and Anthropometric
7. Perform Immunization
8. Give Health Education/Nutritional Education
9. Provide nursing care to critically ill children

CLINICAL SKILLS:

- Taking paediatric History
- Physical examination and assessment of children
- Administer of oral, I/M & IV medicine/fluids
- Calculation of fluid requirements
- Prepare different strengths of I.V. fluids
- Apply restraints
- Administer O₂ inhalation by different methods
- Give baby bath Feed children by Katori spoon, etc.
- Collect specimens for common investigations
- Assist with common diagnostic procedures
- Teach mothers/parents :Malnutrition, Oral rehydration therapy, Feeding & Weaning, Immunization schedule, Play therapy, Specific Disease conditions
- Calculate, prepare and administer I/V fluids
- Do bowel wash
- Care for ostomies :Colostomy irrigation, Ureterostomy, Gastrostomy, Enterostomy
- Urinary catheterization and drainage
- Feeding: Naso-gastric, Gastrostomy, Jejunostomy

- Care of surgical wounds, Dressing, Suture removal
- Assessment of children : Health assessment, Developmental assessment, Anthropometric assessment
 - Immunization
 - Health/Nutritional Education
- Care of a baby in incubator/warmer
- Care of a child on ventilator
- Endotracheal suction
- Chest physiotherapy
- Administer fluids with infusion pump
- Total parenteral nutrition
- Phototherapy
- Monitoring of babies
- Cardio Pulmonary resuscitation

CHILD HEALTH NURSING-PRACTICAL

Total Hours-270
Total Weeks-09

Sl.No	Department	Total no. of weeks
1.	Paediatric OPD/Immunization	01 week
2.	Paediatric medicine ward	03 week
3.	Paediatric surgery ward	03 week
4.	Paediatric medicine and surgery ICU	02 week

Total Hours-**09 weeks x 05 days x 06 hours=270 hours**

SEMESTER/YEAR : III YEAR
COURSE CODE :16NS373
TITLE OF THE COURSE : MENTAL HEALTH NURSING (PRACTICAL)
L: T/A:P: C : 0 :0 : 270 : 0

COURSE OBJECTIVES :

To enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and practice of nursing.

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

CLINICAL SKILLS:

- History taking
- Perform mental status examination (MSE)
- Assist in Psychometric assessment
- Perform Neurological examination
- Observe and assist in therapies
- Teach patients and family members
- History taking
- Assist in psychometric assessment
- Observe and assist in various therapies
- Teach family and significant others
- History taking
- Perform mental status examination (MSE)
- Perform Neurological examination
- Assist in psychometric assessment
- Record therapeutic communication

- Administer medications
- Assist in Electro-convulsive therapy nb (ECT)
- Participate in all therapies
- Prepare patients for Activi-ties 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

MENTAL HEALTH NURSING-PRACTICAL

Total Hours-270
Total Weeks-09 weeks

Sl.No	Department	Total no. of weeks
1	OPD	01 week
2	ECT ROOM	01 week
3	COUNSELLING ROOM	01 week
4	THERAPY ROOM	01 week
5	MALE-OPEN AND CLOSED	01 week
6	FEMALE-OPEN AND CLOSED	01 week
7	CHILD PSYCHIATRY UNIT	01 week
8	DE ADDICTION CENTRE	01 week
9	FIELD VISIT	01 week

Total Hours-**09 weeks x 05 days x 06 hours=270 hours**

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, Substance use ,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 Foeticide, 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 professional 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