



C.U. SHAH UNIVERSITY

(Established under Gujarat Private Universities (Amendment) Act 18 to 2013)

Sponsored By: WARDHMAN BHARTI TRUST A Center of Excellence for Multi Disciplinary Research, Innovation and Culture.

FACULTY OF NURSING



Syllabus

2nd Year Basic B.Sc. Nursing

(4 year Degree Programme)

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Course Instruction & Scheme of Examination

Course instruction

Sr. No.	Subject code	Subject	Theory (In hrs.) (Class and lab)	Practical (In hrs.) (Clinical)	(In hrs.)
1	4NS02SOC1	Sociology	60	----	----
2	4NS02PPG1	Pharmacology	45	----	
		Pathology	30	----	----
		Genetic	15	----	----
3	4NS02MSN1	Medical surgical nursing (adult including geriatrics)-I	210	720	----
4	4NS02CHN1	Community health nursing-I	90	135	----
5	4NS02CET1	Communication and educational technology	60+30	----	----
Library work/ self-study			----	----	50
Co-curricular activities			----	----	35
Total hours			540	855	85
Total hours = 1480hrs					

Scheme of examination

Sr. No.	Subject code	Subject	Assessment			
			Hours	Internal	External	Total
Theory block						
1	4NS02SOC1	Sociology	3	25	75	100
2	4NS02PPG1	Pharmacology	3	25	75	100
		Pathology				
		Genetic				
3	4NS02MSN1	Medical surgical nursing (adult including geriatrics)-I	3	25	75	100
4	4NS02CHN1	Community health nursing-I	3	25	75	100
5	4NS02CET1	Communication and educational technology	3	25	75	100
Practical and viva voce						
1	4NS02MSN1	Medical surgical nursing (adult including geriatrics)-I	-	100	100	200

SOCIOLOGY

Placement: Second Year

Time: Theory 60 Hours

Course Description: This course is designed to introduce the concepts of Sociology related to community and social institutions in India and its relationship with health, illness and nursing.

Unit	Time (hrs)	Learning objectives	Content
I	1	State the importance of sociology in nursing	Introduction: <ul style="list-style-type: none"> • Definition of Sociology • Nature and scope of the discipline • Importance and application of Sociology in Nursing
II	3	Describe the interrelationship of individual in society and community	Individual & Society <ul style="list-style-type: none"> • Society and Community • Nature of Society • Difference between Society and Community • Process of Socialization and individualization • Personal disorganization
III	3	Describe the influence of culture on health and disease	Culture <ul style="list-style-type: none"> • Nature of culture • Evaluation of culture • Diversity and uniformity of culture • Culture and socialization • Trans-cultural society • Influence on health and disease
IV	4	Identify various social groups and their interactions	Social group and processes <ul style="list-style-type: none"> • The meaning and classification of groups • Primary & Secondary Group • In-group V/s. Out-group, class Tribe, Caste Economic, Political, Religious group, Mob, Crowd, Public and Audience Interaction & Social process • Co-operation, Competition, Conflict • Accommodation, Assimilation & Isolation
V	6	Explain the growth of population in india and its impact on health	Population <ul style="list-style-type: none"> • 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.
VI	5	Describe the institutions of family and marriage	Family and Marriage <ul style="list-style-type: none"> • Family – Functions

		in India	<ul style="list-style-type: none"> • Types-Joint, Nuclear, Blended and Extended family: Characteristics • The Modern Family – Changes, Problems- Dowry etc., Welfare Services • Changes & 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
VII	7	Describe the class and caste system and their influence on health and health practices	Social Stratification <ul style="list-style-type: none"> • Meaning & types of social Stratification • The Indian Caste System-origin & 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
VIII	6	Describe the types of communities in India, their practices and the impact on health	Types of Communities in India (rural, urban and regional) <ul style="list-style-type: none"> • Features of village community & Characteristics of India 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
IX	4	Explain the process of social change	Social Change <ul style="list-style-type: none"> • Nature and process of social change • Factors influencing Social change: Cultural changes, Cultural lag. • Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional • Role of nurse-change agents
X	4	Describe the social system and interrelationship of social organizations	Social organization and social system <ul style="list-style-type: none"> • Social organization: elements, types • Democratic and authoritarian modes of

			<p>participation,</p> <ul style="list-style-type: none"> • Voluntary associations • Social system: Definition and Types of social system • Role and Status as structural elements of social system • Interrelationship of institutions
XI	2	Explain the nature and process of social control	<p>Social control</p> <ul style="list-style-type: none"> • Nature & process of social control • Political, legal, religious, educational, economic, industrial & technological systems, norms and values folkways & mores customs, laws and fashion • Role of nurse
XII	15	Describe the role of the nurse in dealing with social problems in India	<p>Social problems</p> <ul style="list-style-type: none"> • Social disorganization • Control & Planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women and children, vulnerable groups: elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS. • Social welfare programs in India • Role of nurse

PART - I: PHARMACOLOGY

Placement: Second Year

Time: Theory – 45 hours

Course Description: This course is designed to enable students to acquire understanding of pharmaco-dynamics, pharmaco-kinetics, principles of therapeutics and nursing implications.

Unit	Time (Hrs)	Learning Objectives	Content
I	3	Describe pharmacokinetics, classification and the principles of drug administration	Introduction to pharmacology : <ul style="list-style-type: none"> • 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
II	6	Explain Chemotherapy of specific infections and infestations and nurse's responsibilities	Chemotherapy : <ul style="list-style-type: none"> • 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
III	2	Describe Antiseptics disinfectants, insecticides and nurse's	Pharmacology of commonly used antiseptics, disinfectants and insecticides : <ul style="list-style-type: none"> • Antiseptics: Composition, Action, Dosage, Route,

		responsibilities	<p>Indications, Contraindication, Drug interactions, Side-effects, Adverse effects, Toxicity & Role of nurse</p> <ul style="list-style-type: none"> • Disinfectants • Insecticides
IV	2	Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities	<p>Drugs acting on G.I. System : Pharmacology of commonly used –</p> <ul style="list-style-type: none"> • 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
V	2	Describe Drugs used on Respiratory systems and nurse's responsibilities	<p>Drugs used on Respiratory Systems :</p> <ul style="list-style-type: none"> • 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
VI	2	Describe Drugs used on Urinary System and nurse's responsibilities	<p>Drugs used on Urinary System : Pharmacology of commonly used –</p> <ul style="list-style-type: none"> • Diuretics and antidiuretics • Urinary antiseptics • Cholinergic and anticholinergics • Acidifiers and alkalize Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse
VII	4	Describe Drugs used in de-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and	<p>Miscellaneous :</p> <ul style="list-style-type: none"> • Drugs used in de-addiction • Drugs used in CPR and emergency • Vitamins and minerals • Immunosuppressants

		immuno- suppression and nurse's responsibilities	<ul style="list-style-type: none"> • Antidotes • Antivenom • Vaccines and sera
VIII	1	Describe Drugs used on skin and mucous membranes and nurse's responsibilities	<p>Drugs used on skin and mucous membranes :</p> <ul style="list-style-type: none"> • Topical applications for skin, eye, ear, nose and buccal cavity • Antipruritic <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>
IX	8	Describe Drugs used on Nervous System and nurse's responsibilities	<p>Drugs acting on Nervous system :</p> <ul style="list-style-type: none"> • Basic & applied Pharmacology of commonly used : • Analgesics and Anaesthetics • Analgesics • Non-steroidal anti - inflammatory (NSAID) drugs • Antipyretics • Hypnotics and Sedatives <ul style="list-style-type: none"> ○ Opioids ○ Non-Opioids ○ Tranquilizers ○ General & local anesthetics ○ Gases : oxygen, nitrous oxide, carbon-dioxide • Cholinergic and anti- cholinergic: <ul style="list-style-type: none"> ○ Muscle relaxants ○ Major tranquilizers ○ Anti-psychotics ○ Antidepressants ○ Anticonvulsants ○ Adrenergics ○ Noradrenergics ○ Mood stabilizers ○ Acetylcholine ○ Stimulants <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>
X	5	Describe Drugs used on Cardiovascular System and nurse's responsibilities	<p>Cardiovascular drugs :</p> <ul style="list-style-type: none"> • Haematinics • Cardiotonics • Anti anginals • Anti-hypertensives & Vasodilators • Anti-arrhythmics • Plasma expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics

			Hypolipidemics Composition, action, dosage, route, indications, contra-indications, drug interactions, side effects, adverse effects, toxicity and role of nurse
XI	4	Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	<p>Drugs used for hormonal disorders & supplementation, contraception and medical termination of pregnancy :</p> <ul style="list-style-type: none"> • Insulins & Oral hypoglycemics • 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 <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse.</p>
XII	6	Demonstrate awareness of the common drugs used in alternative system of medicine	<p>Introduction to Drugs used in alternative systems of medicine :</p> <ul style="list-style-type: none"> • Ayurveda, Homeopathy, Unani and Siddha etc.

SECTION- A – PATHOLOGY

Placement: Second Year

Time: Theory – 30 hours

Course Description: This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

Unit	Time (Hrs)		Learning Objectives	Content
	Th.	Pr.		
I	3		<p>Define the common terms used in pathology</p> <p>Appreciate the deviations from normal to abnormal structure and functions of the body system</p>	<ul style="list-style-type: none"> ● Introduction : <ul style="list-style-type: none"> ○ 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 <ul style="list-style-type: none"> ○ Normal and Cancer cell ○ Benign and Malignant growths ○ In-situ carcinoma ● Disturbances of fluid and electrolyte imbalance
II	10	5	<p>Explain Pathological changes in disease conditions of various systems</p>	<ul style="list-style-type: none"> ● Special pathology : <ul style="list-style-type: none"> ● Pathological changes in disease conditions of various systems: ● Respiratory tract <ul style="list-style-type: none"> ○ Tuberculosis, Bronchitis, Pleural effusion and pneumonia ○ Lung abscess, emphysema, bronchiectasis ○ Bronchial asthma, Chronic Obstructive Pulmonary Disease and tumours ● Cardio-vascular system <ul style="list-style-type: none"> ○ 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

				<ul style="list-style-type: none"> • Liver, Gall bladder & pancreas <ul style="list-style-type: none"> ○ Hepatitis, Chronic liver abscess, cirrhosis ○ Tumours of liver, gall bladder and pancreas, ○ Cholecystitis • Kidneys & Urinary tract <ul style="list-style-type: none"> ○ Glomerulonephritis, pyelonephritis ○ Calculi, renal failure, renal carcinoma & cystitis • Male genital systems <ul style="list-style-type: none"> ○ Cryptorchidism, testicular atrophy ○ Prostatic hyperplasia, carcinoma Penis & prostate • Female genital system <ul style="list-style-type: none"> ○ Fibroids ○ Carcinoma cervix and Endometrium ○ Vesicular mole, choriocarcinoma ○ Ectopic gestation ○ Ovarian cyst & tumours • Cancer Breast • Central Nervous system <ul style="list-style-type: none"> ○ Hydrocephalus, Meningitis, encephalitis, ○ Vascular disorders – thrombosis, embolism ○ Stroke, paraplegia, quadriplegia ○ Tumours, meningiomas- gliomas • Metastatic tumour • Skeletal system <ul style="list-style-type: none"> ○ Bone healing, osteoporosis, osteomyelitis • Arthritis & tumours
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III	4	3	Describe various laboratory tests in assessment and monitoring of disease conditions	<p>Clinical pathology :</p> <ul style="list-style-type: none"> • Various blood and bone marrow tests in assessment and monitoring of disease conditions <ul style="list-style-type: none"> ○ Hemoglobin ○ RBC, White cell & platelet counts ○ Bleeding time, clotting time and prothrombin 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
IV	2	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	<p>Examination of body cavity fluids, transudates and exudates :</p> <ul style="list-style-type: none"> • 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
V	1	1	Describe laboratory tests for examination of Urine and faeces	<p>Urine and Faeces :</p> <ul style="list-style-type: none"> • Urine <ul style="list-style-type: none"> ○ Physical characteristics ○ Analysis ○ Culture and sensitivity • Faeces <ul style="list-style-type: none"> ○ Characteristics ○ Stool examination: occult blood, ova, parasite and cyst, reducing substance etc. • Methods of collection for various tests, inference and normal values

SECTION B – GENETICS

Placement: Second Year

Time: Theory – 15 hours

Course Description: This course is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases

Unit	Time (Hrs)	Learning Objectives	Content
I	3	Explain nature, principles and perspective s of heredity	<p>Introduction :</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> ○ Mendalian theory of inheritance ○ Multiple allots and blood groups ○ Sex linked inheritance ○ Mechanism of inheritance ○ Errors in transmission (Mutation)
II	3	Explain Maternal, prenatal and genetic influences on development of defects and diseases	<p>Maternal, prenatal and genetic influences on development of defects and diseases :</p> <ul style="list-style-type: none"> • 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)
III	2	Explain the screening methods for genetic defects and diseases in neonates and children	<p>Genetic testing in the neonates and children :</p> <ul style="list-style-type: none"> • Screening for <ul style="list-style-type: none"> ○ Congenital abnormalities ○ Developmental delay ○ Dymorphism

IV	2	Identify genetic disorders in adolescents and adults	Genetic conditions of adolescents and adults : <ul style="list-style-type: none"> • Cancer genetics – Familial Cancer • Inborn errors of metabolism • Blood group alleles and haematological disorder • Genetic haemochromatosis • Huntington’s disease • Mental illness
V	5	Describe the role of nurse in genetic services and counselling	Services related to Genetics : <ul style="list-style-type: none"> • Genetic testing • Human genome project • Gene therapy • The Eugenics movement • Genetic Counselling • Legal and Ethical issues • Role of nurse

MEDICAL SURGICAL NURSING - I

(ADULT INCLUDING GERIATRICS)

Placement -Second Year

Theory – 210 hours

Practical – 720 hours

Course Description -The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

Unit	Time (Hrs)	Learning Objectives	Content
I	10	<p>Appreciate the trends in medical and surgical nursing</p> <p>Describe the role of nurse in caring for adult patient in hospital and community</p> <p>Describe the concepts of medical surgical asepsis</p>	<p>Introduction :</p> <ul style="list-style-type: none"> • 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 : <ul style="list-style-type: none"> ○ Out-patient department ○ In-patient unit ○ Intensive care unit ○ Home and Community settings • Introduction to Medical Surgical asepsis : <ul style="list-style-type: none"> ○ Inflammation & Infection ○ Immunity ○ Wound healing • Care of Surgical Patient : <ul style="list-style-type: none"> ○ Pre-operative ○ Intra-operative ○ Post-operative
II	15	<p>Describe the common signs, symptoms, problems and their specific nursing interventions</p>	<p>Common signs and symptoms and management</p> <ul style="list-style-type: none"> • Fluid and electrolyte imbalance • Vomiting • Dyspnea and cough, respiratory obstruction • Fever • Shock • Unconsciousness, Syncope • Pain • Incontinence • Edema <p>Age related problems – Geriatric</p>

III	20	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory system	<p>Nursing management of patients (adults including elderly) with respiratory problems :</p> <ul style="list-style-type: none"> • 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 – <ul style="list-style-type: none"> ○ 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
IV	30	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive system	<p>Nursing management of patient (adults including elderly) with disorders of digestive system :</p> <ul style="list-style-type: none"> • 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 : <ul style="list-style-type: none"> ○ Oral cavity – lips, gums, tongue, salivary glands and teeth ○ Esophagus - 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, mal-absorption, obstruction, tumour and perforation ○ Large intestinal disorders- colitis, inflammation

			<p>and infection, obstruction and tumour and lump</p> <ul style="list-style-type: none"> ○ 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
V	30	<p>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems</p> <p>Describe the vascular conditions and its nursing management</p>	<p>Nursing management of patient (adults including elderly) with blood and cardio vascular problems :</p> <ul style="list-style-type: none"> ● Review of anatomy and physiology of blood and cardiovascular system, ● Nursing Assessment – History and Physical assessment ● Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – ● Vascular system <ul style="list-style-type: none"> ○ Hypertension, Hypotension ○ Atherosclerosis ○ Raynaud’s disease ○ Aneurism and Peripheral vascular disorders <p>Heart</p> <ul style="list-style-type: none"> ● Coronary artery diseases <ul style="list-style-type: none"> ○ Ischemic Heart Disease ○ Coronary atherosclerosis ○ Angina pectoris ○ Myocardial infarction ● Valvular disorders of the heart <ul style="list-style-type: none"> ○ Congenital and acquired ○ Rheumatic Heart diseases ● Endocarditis, Pericarditis Myocarditis ● Cardio Myopathies ● Cardiac dysrhythmias, Heart Block ● Congestive cardiac failure <ul style="list-style-type: none"> ○ Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade ● Cardiac emergencies and arrest ● Cardio Pulmonary Resuscitation (CPR) ● Blood <ul style="list-style-type: none"> ○ Anaemias ○ Polycythemia

			<ul style="list-style-type: none"> ○ Bleeding disorders, clotting factor defects and platelets defects ○ Thalassemia ○ Leukaemias ○ Leukopenias and Agranulocytosis ○ Lymphomas ○ Myelomas ● Special therapies <ul style="list-style-type: none"> ○ Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion. ○ Management & counselling 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.
VI	10	Describe the etiology, pathophysiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	<p>Nursing management of patient (adults including elderly) with genito-urinary problems :</p> <ul style="list-style-type: none"> ● 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 – <ul style="list-style-type: none"> ● 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, prostrate ● Special therapies, alternative therapies ● Nursing procedures ● Drugs used in treatment of genito- urinary disorders

VII	5	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system	<ul style="list-style-type: none"> ● 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
VIII	10	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system	<ul style="list-style-type: none"> ● Nursing management of patient (adults including elderly) with disorders of endocrine system : ● 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 – <ul style="list-style-type: none"> ○ 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
IX	10	Describe the etiology, pathophysiology clinical	<ul style="list-style-type: none"> ● Nursing management of patient (adults including elderly) with disorders of Integumentary system : ● Review of anatomy and physiology of skin

		manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin	<p>and its appendages</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> ○ Lesions and abrasions ○ Infection and infestations; Dermatitis ○ Dermatoses - Infectious and Noninfectious “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
X	15	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo skeletal system	<p>Nursing management of patient (adults including elderly) with musculo-skeletal problems :</p> <ul style="list-style-type: none"> • 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 - <ul style="list-style-type: none"> ○ 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

XI	10	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of immunological system.	<p>Nursing management of patient (adults including elderly) with Immunological problems</p> <ul style="list-style-type: none"> • 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 • Prevention of Transmission • Standard Safety precautions • Role of Nurse, Counselling • Health education and home care consideration • National AIDS Control Program- NACO, various national and international agencies • Infection control program <p>Rehabilitation Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system</p>
XII	20	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases	<p>Nursing management of patient (adults including elderly) with Communicable Diseases</p> <ul style="list-style-type: none"> • Overview of infectious disease, the infectious process • Nursing Assessment - History and Physical assessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics • Control and eradication of common Communicable Diseases <ul style="list-style-type: none"> ○ Tuberculosis

			<ul style="list-style-type: none"> ○ Diarrheal diseases ○ Hepatitis A - E ○ Herpes ○ Chickenpox ○ Smallpox ○ Typhoid ○ Meningitis ○ Gas gangrene ○ Leprosy ○ Dengue ○ Plague ○ Malaria ○ Diphtheria ○ Pertussis ○ Poliomyelitis ○ Measles ○ Mumps ○ Influenza ○ Tetanus ○ Yellow fever ○ Filariasis ○ HIV, AIDS ● Reproductive Tract Infections ● Special Infection control measures - Notification, Isolation, Quarantine, Immunization, Infectious disease of hospitals, Special therapies, alternative therapies ● Nursing procedures Drugs used in treatment of Communicable diseases
XIII	25	<p>Describe the organization and physical set up of Operation Theatre</p> <p>Identify the various instruments and equipments used for common surgical procedures</p> <p>Describe the infection control measures in the operation theatre</p> <p>Describe the role of the nurse in the Peri-</p>	<p>Peri operative nursing :</p> <ul style="list-style-type: none"> ● Organization and Physical set up of the Operation Theatre (O.T.) : ○ 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

		operative nursing care	<ul style="list-style-type: none"> ○ Monitoring the patient during surgical procedures ● Maintenance of therapeutic environment in O.T ● Standard Safety measures - <ul style="list-style-type: none"> ○ Infection control : fumigation, disinfection and sterilization ○ Biomedical waste management ○ Prevention of accidents and hazards in O.T. ● Anesthesia <ul style="list-style-type: none"> ○ Types ○ Methods of administration ○ Effects and Stages ○ Equipments ○ Drugs ● Cardio Pulmonary Resuscitation (CPR) ● Pain management techniques ● Legal Aspects
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MEDICAL SURGICAL NURSING - I (PRACTICAL)

(ADULT INCLUDING GERIATRICS)

Placement - Second Year

Time - 720 hours

Areas	Duration (in week)	Objectives	Skills	Assignments
General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology)	6	<ul style="list-style-type: none"> • Provide nursing care to adult patients with medical disorders • Counsel and educate patients and families 	<p>Assessment of the patient</p> <p>Taking history</p> <ul style="list-style-type: none"> □ Perform general and specific physical examination □ Identify alterations and deviations <ul style="list-style-type: none"> • Practice medical surgical asepsis standard safety measures • Administer medications □ Oral, IV, IM, Subcutaneous, IV therapy <p>IV canulation</p> <ul style="list-style-type: none"> □ Maintenance and monitoring <ul style="list-style-type: none"> • Oxygen therapy by different methods <p>Nebulization</p> <p>Chest physiotherapy</p> <p>Naso gastric feeding</p> <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Assign 3- 4 patients for giving planned nursing care • Prepare 2 nursing care plan • 1 - Nursing case study & presentation including drug • Maintaining drug book • Maintain practical record book

			<p>documentation</p> <ul style="list-style-type: none"> • Counsel and teach related to specific disease conditions 	
General Surgical Ward (GI, Urinary, CTVS)	6	<ul style="list-style-type: none"> • Provide pre and post operative nursing care to adult patients with surgical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Practice medical surgical asepsis standard safety measures • Pre-operative preparation of patients (along with drugs) • Post-operative care - Receiving patient, assessment, monitoring care • Care of wounds and drainage • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care : <ul style="list-style-type: none"> □ Gastrostomy □ Colostomy □ Enterostomy • Blood & component therapy • Practice universal precautions 	<ul style="list-style-type: none"> • Plan and give care to 3 - 4 assigned patients • Nursing care plan- 2 • Nursing case study / presentation – 1 • Maintain drug book
Cardiology ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with cardiac disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Plan and give care to 2 - 3 assigned patients • Nursing care plan- 1 • Nursing case study / presentation / Health talk – 1 • Maintain drug book

			<p>Resuscitation</p> <ul style="list-style-type: none"> • Teach patients and families • Practice medical and surgical asepsis – Standard safety measures 	
Skin & Communicable diseases Ward	1	<ul style="list-style-type: none"> • Identify skin problems • Provide nursing care to patients with skin disorders & Communicable diseases • Counsel and educate patients and families 	<ul style="list-style-type: none"> • 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 • Counselling HIV positive patients • Teach prevention of infectious diseases 	<ul style="list-style-type: none"> • Plan and give care to 2 - 3 assigned patients • Health talk / Counselling HIV positive patients and families – 1 • Maintain drug book
Orthopaedic ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with musculoskeletal disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of orthopedic 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 	<ul style="list-style-type: none"> • Plan & give care to 2- 3 assigned patients • Nursing care plan- 1 • Nursing case study / presentation – 1 • Maintain drug book

			<ul style="list-style-type: none"> • Activities of daily living • Ambulation • Teach and counsel patients & families 	
Operation Theatre	6	<ul style="list-style-type: none"> • Identify instruments used in common operations • Participate in infection control practices in the Operation Theatre Set-up the table / trolleys for common operative procedures Assist in giving anaesthesia Assist in the operative procedures Provide peri-operative nursing care 	<ul style="list-style-type: none"> • Scrubbing, gowning gloving • Identify instruments, suturing materials for common operations • Disinfection, Carbonization, 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 	<ul style="list-style-type: none"> • Assist as a circulatory nurse in <ul style="list-style-type: none"> * Major cases- 10, * Minor cases – 5 • Assist as a scrub nurse in <ul style="list-style-type: none"> * Major cases- 10, * Minor cases – 5 • Maintain drug book

Areas	Duration (in week)	Objectives	Skills	Assignments
ICU, CCU, Cardiac OT	2	<p>To gain proficiency in ICU nursing</p> <p>Develop advance skill in special procedures used in Critical Care Unit</p> <p>Identify potential problems and provide care accordingly</p> <ul style="list-style-type: none"> • Skill in setting and handling ventilator • Administer injection using infusion pump • Record accurately findings and medications • Develop IPR with family members • Acquaint with OT technique 	<ul style="list-style-type: none"> • Assist in arterial puncture for blood gas analysis • Perform ECG and interpret accordingly • Conduct & analyse pulse oximetry • Care with artificial airway • Assist in endotracheal intubation • Setting up ventilator • Giving care to patient on ventilator • Drug sheet • Observation of • Special procedure in OT. 	<p>Arterial puncture –5</p> <p>Taking out ECG strip–5</p> <p>Tracheal suction-5</p> <p>Oxygen administration by CPAP mask and use Ambu bag.</p> <p>Assessment for all assigned patients</p> <p>Nursing care of patient on ventilator</p> <p>Drug sheet</p>
Neuro ICU, ITU, OT	2	<p>Develop skill in neurological assessment</p> <p>Give care to the patient with head injury and spinal injury</p> <p>Care with chest surgery and cranial surgery</p>	<ul style="list-style-type: none"> • Assess neurological status • Implement care to head injury, spinal injury patients • Drug sheet • Pre and post operative care with neuro surgery patients 	<ul style="list-style-type: none"> • Assessment for all assigned patients • Nursing care plan-2 • Drug sheet
Burns & plastic Re- constructive surgery	2	<p>Assess the severity of burns</p> <p>Administer rehydration therapy</p> <p>Observe re-constructive</p>	<ul style="list-style-type: none"> • Nursing care 	-

<p>OT Laparo scopic, Orthopaedic, Eye, ENT</p>	<p>3</p>	<p>Identify instruments Assist in OT set- up Supervise sterilization Assist in OT table lay out Observe immediately after operation Supervise infection control</p>	<p>-</p>	<ul style="list-style-type: none"> • Assist - 5 cases
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COMMUNITY HEALTH NURSING – I

Placement - Second Year

Theory – 90 hours

Practical – 135 hours

Course Description -This course is designed for students to appreciate the principles of promotion and maintenance of health.

Unit	Time (Hrs)	Learning Objectives	Content
I	2	Describe concept and dimensions of health	Introduction : <ul style="list-style-type: none"> • Community health nursing • Definition, concept and dimensions of health • Promotion of health • Maintenance of health
II	20	Describe determinant s of health	Determinants of health : <ul style="list-style-type: none"> • Eugenics • Environment - <ul style="list-style-type: none"> ○ 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 & Cosmetic Act • Socio-cultural - <ul style="list-style-type: none"> ○ Customs, taboos ○ Marriage system ○ Family structure ○ Status of special groups : Females, Children, Elderly, Challenged groups and Sick persons • Life Style • Hygiene • Physical activity - <ul style="list-style-type: none"> ○ Recreation and sleep Sexual life ○ Spiritual, Life philosophy ○ Self-reliance ○ Dietary pattern ○ Education ○ Occupation • Financial Management - <ul style="list-style-type: none"> ○ Income ○ Budget ○ Purchasing power ○ Security
III	10	Describe concept, scope, uses, methods	Epidemiology : <ul style="list-style-type: none"> • Definition, concept, aims, scope, uses and terminology used in epidemiology

		and approaches of epidemiology	<ul style="list-style-type: none"> • Dynamics of disease transmission - Epidemiological triad • Morbidity and Mortality - measurements • Levels of prevention • Methods of epidemiology of - <ul style="list-style-type: none"> ○ Descriptive ○ Analytical -Epidemic Investigation ○ Experimental
IV	25	Describe Epidemiology and nursing management of common Communicable diseases	<p>Epidemiology and nursing management of common Communicable Diseases :</p> <ul style="list-style-type: none"> • Respiratory infections - <ul style="list-style-type: none"> ○ Small Pox ○ Chicken Pox ○ Measles ○ Influenza ○ Rubella ○ ARI's & Pneumonia ○ Mumps ○ Diphtheria ○ Whooping cough ○ Meningococcal meningitis ○ Tuberculosis ○ S.A.R.S. • Intestinal Infections - <ul style="list-style-type: none"> ○ Poliomyelitis ○ Viral Hepatitis ○ Cholera ○ Diarrhoeal diseases ○ Typhoid Fever ○ Food poisoning ○ Amoebiasis ○ Hook worm infection ○ Ascariasis <p>Dracunculiasis</p> <ul style="list-style-type: none"> • Arthropod infections - <ul style="list-style-type: none"> ○ Dengue ○ Malaria ○ Filariasis • Zoonoses <p>Viral -</p> <ul style="list-style-type: none"> ○ Rabies ○ Yellow fever ○ Japanese encephalitis ○ Kyasnur Forest Disease <p>Bacterial -</p> <ul style="list-style-type: none"> ○ Brucellosis ○ Plague ○ Human Salmonellosis ○ Anthrax ○ Leptospirosis <p>Rickettsial diseases -</p> <ul style="list-style-type: none"> ○ Rickettsial Zoonoses ○ Scrub typhus ○ Murine typhus ○ Tick typhus

			<ul style="list-style-type: none"> ○ Q fever <p>Parasitic zoonoses -</p> <ul style="list-style-type: none"> ○ Taeniasis ○ Hydatid disease ○ Leishmaniasis <p>Surface infection -</p> <ul style="list-style-type: none"> ○ Trachoma ○ Tetanus ○ Leprosy ○ STD & RTI ○ Yaws ○ HIV/AIDS <p>Any other</p>
V	10	Describe Epidemiology and nursing management of common Non communicable diseases	<p>Epidemiology and nursing management of Non - communicable diseases :</p> <ul style="list-style-type: none"> ● Malnutrition-under nutrition, over nutrition, nutritional deficiencies ● Anemia ● Hypertension ● Stroke ● Rheumatic Heart Disease ● Coronary Heart Disease ● Cancer ● Diabetes mellitus ● Blindness ● Accidents ● Mental illness ● Obesity ● Iodine deficiency ● Fluorosis ● Epilepsy
VI	6	Describe the concepts & scope of Demography	<p>Demography :</p> <ul style="list-style-type: none"> ● Definition, concept and scope ● Methods of collection, analysis & interpretation of demographic data ● Demographic rates and ratios
VII	17	Identify the impact of population explosion in India Describe methods of population control	<p>Population and its control :</p> <ul style="list-style-type: none"> ● Population explosion and its impact on social, economic development of individual, society and country ● Population control - <ul style="list-style-type: none"> ○ Over all development- Women empowerment, social, economic and educational development ● Limiting family size : <ul style="list-style-type: none"> ○ Promotion of small family norm ○ Methods - spacing (natural, biological, chemical, mechanical methods, etc) ○ Terminal - surgical methods ○ Emergency contraception

COMMUNITY HEALTH NURSING I – PRACTICAL

Placement -Second Year

Time -Practical – 135 hours

Areas	Duration (in week)	Objectives	Skills	Assignments
Community health nursing	2 wks urban and 2 wks rural	<ul style="list-style-type: none"> • Build and Maintain rapport • Identify demographic characteristics, health determinants & community health resources • Diagnose health needs of individual and families • Provide primary care in health centre • Counsel & educate individual, family & community 	<ul style="list-style-type: none"> • 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 & sugar • Administer vaccines and medications to adults • Counsel and teach individual, family and community <ul style="list-style-type: none"> □ Nutrition □ Hygiene □ Self health monitoring □ Seeking health services □ Healthy life style □ Family welfare methods □ Health promotion 	<ul style="list-style-type: none"> • To work with 2 assigned families each in urban & rural • Family study –1 • Observation report of community– 1 • Health talks - 2 (1 in urban & 1 in rural)

COMMUNICATION & EDUCATIONAL TECHNOLOGY

Placement -Second Year

Time -Theory – 90 hours

Course Description - This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and group in clinical, community health and educational settings.

Unit	Time (Hrs)		Learning Objectives	Content
	Th.	Pr.		
I	5		Describe the communication process Identify techniques of effective communication	Review of Communication Process : <ul style="list-style-type: none"> • Process : elements and channel • Facilitators • Barriers and methods of overcoming • Techniques
II	5		Establish effective interpersonal relations with patients families & co-workers	Interpersonal relations : <ul style="list-style-type: none"> • Purpose & types • Phases • Barriers & methods of overcoming • Johari Window
III	5		Develop effective human relations in context of nursing	Human relations : <ul style="list-style-type: none"> • Understanding self • Social behavior, motivation, social attitudes • Groups & Individual • Human relations in context of nursing • Group dynamics • Team work
IV	10	5	Develop basic skill of counselling and guidance	Guidance & counselling : <ul style="list-style-type: none"> • Definition • Purpose, scope & need • Basic principles • Organization of counselling services • Types of counselling approaches • Role and preparation of counsellor • Issues for counselling in nursing - students and practitioners • Counselling process - steps & techniques, tools of counsellor • Managing disciplinary problems • Management of crisis & referral

V	5		Describe the philosophy & principles of education Explain the teaching learning process	Principles of education & Teaching learning process : <ul style="list-style-type: none"> • 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
VI	10	10	Demonstrate teaching skill using various teaching methods in clinical, classroom & community settings	Methods of teaching : <ul style="list-style-type: none"> • 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 module and simulation, etc. • Clinical teaching methods - case method, nursing round & reports, bedside clinic, conference (individual & group), process recording
VII	10	8	Prepare and use different types of educational media effectively	Educational media : <ul style="list-style-type: none"> • 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
VIII	5	7	Prepare different types of questions for assessment of knowledge, skills and attitudes	Assessment : <ul style="list-style-type: none"> • Purpose & scope of evaluation & assessment • Criteria for selection of assessment techniques and methods • Assessment of knowledge - Essay type questions, Short answer questions (SAQ),

				<p>Multiple choice questions (MCQ)</p> <ul style="list-style-type: none"> • Assessment of skills - observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE) • Assessment of Attitudes - Attitude scales
IX	5		Teach individuals, groups and communities about health with their active participation	<p>Information, Education & Communication for health (IEC) :</p> <ul style="list-style-type: none"> • Health behaviour & health education, Planning for health education • Health education with individuals, groups & communities • Communicating health messages • Methods & media for communicating health messages, Using mass media