

In force from June – 2009

SY. B, Sc. (Nursing)

Placement – Second Year

Paper No.- 01 : Sociology

Th.-60 Hours

25+75=100 Marks

**Course Description:** The 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	Teaching Learning Activities	Assessment Methods
I	1	<ul style="list-style-type: none"> <li>State the importance of sociology in Nursing</li> </ul>	<b>Introduction</b> <ul style="list-style-type: none"> <li>Definition of Sociology</li> <li>Nature and Scope of the discipline</li> <li>Importance and application of Sociology in Nursing</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> </ul>
II	3	<ul style="list-style-type: none"> <li>describe the inter-relationship of individual in society and community</li> </ul>	<b>Individual &amp; Society</b> <ul style="list-style-type: none"> <li>Society and Community</li> <li>Nature of Society</li> <li>Difference between society and community</li> <li>Process of Socialization and individualization</li> <li>Personal disorganization</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> </ul>
III	3	<ul style="list-style-type: none"> <li>Describe the influence of culture and on health and disease</li> </ul>	<b>Culture</b> <ul style="list-style-type: none"> <li>Nature of culture</li> <li>Evolution of culture</li> <li>Diversity and uniformity of culture</li> <li>culture and socialization</li> <li>Transcultural society</li> <li>Influence of health and Disease</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Panel Discussion</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> </ul>
IV	4	<ul style="list-style-type: none"> <li>Identify various social groups and their interactions</li> </ul>	<b>Social groups and Processes</b> <ul style="list-style-type: none"> <li>The meaning and classification of groups</li> <li>Primary &amp; secondary Group</li> <li>In-group V/s. Out-group, Class Tribe, Caste</li> <li>economic, Political, Religious groups, Mob, Crowe, public and Audience Interaction &amp; Social Processes</li> <li>Co-operation, Competition, Conflict</li> <li>Accommodation, Assimilation &amp; Isolation</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> </ul>

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
V	6	<ul style="list-style-type: none"> <li>• Explain the growth of population in India and its impact on health</li> </ul>	<b>Population</b> <ul style="list-style-type: none"> <li>• Society and population</li> <li>• Population distribution in India Demographic characteristics</li> <li>• Malthusian theory of Populations</li> <li>• Population explosion in India and its impact on health status</li> <li>• Family welfare programmes</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Community identification</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> <li>• Assessment of report on community identification</li> </ul>
VI	5	<ul style="list-style-type: none"> <li>• Describe the institutions of family and marriage in India</li> </ul>	<ul style="list-style-type: none"> <li>• family – functions</li> <li>• types – Joint, Nuclear, blended and extended family; characteristics</li> <li>• The Modern Family – Changes, Problems – Dowry etc., Welfare Services</li> <li>• Changes &amp; legislations on family and marriage in India – marriage acts</li> <li>• Marriage; forms and functions of marriage,</li> <li>• Marriage and family problems in India</li> <li>• Family, marriage and their influence on health and health practices</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• family case study</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> <li>• Assessment of family case study</li> </ul>
VII	7	<ul style="list-style-type: none"> <li>• Describe the class and caste system and their influence on health and health practices</li> </ul>	<b>Social Stratification</b> <ul style="list-style-type: none"> <li>• meaning &amp; types of social stratification</li> <li>• the Indian caste System – origin &amp; features</li> <li>• Features of Caste in India today</li> <li>• Social Class system and status</li> <li>• Social Mobility – Meaning &amp; Types</li> <li>• Race as a biological concept, criteria of racial classification</li> <li>• Salient features of Primary races Racism</li> <li>• Influence of Class Caste and Race on health and health practices</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Community survey</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> <li>• Assessment of report on community survey</li> </ul>
VIII	6	<ul style="list-style-type: none"> <li>• Describe the types of communities</li> </ul>	<b>Types of Communities in India (Rural, Urban and Regional)</b> <ul style="list-style-type: none"> <li>• Features of village community</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> </ul>

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
		In India, their practices and the impact on health	& Characteristics of Indian villages Panchayat system, social dynamics <ul style="list-style-type: none"> <li>• Community Development project &amp; planning</li> <li>• Changes in Indian Rural Life</li> <li>• Availability of health facilities in rural and its impact on health and health practices</li> <li>• Urban – Community – features</li> <li>• the growth of cities: Urbanisation and its impact on health and health practices</li> <li>• Major Urban problems – urban Slums</li> <li>• Region: Problems and impact on health</li> </ul>	<ul style="list-style-type: none"> <li>• visits to rural and urban community</li> <li>• Community survey</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of report on community survey</li> </ul>
IX	4	<ul style="list-style-type: none"> <li>• Explain the process of social change</li> </ul>	<b>Social Change</b> <ul style="list-style-type: none"> <li>• Nature and process of Social change</li> <li>• Factors influencing Social change: cultural change, Cultural lag.</li> <li>• Introduction to theories of social change : Linear, Cyclical, Marxian, Functional</li> <li>Role of nurse- change agents</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> </ul>
X	4	<ul style="list-style-type: none"> <li>• Describe the social system and inter-relationship of social organizations</li> </ul>	<b>Social organization and social system</b> <ul style="list-style-type: none"> <li>• social organization; elements, types</li> <li>• Democratic and sutherlandian modes of participation,</li> <li>• voluntary associations</li> <li>• Social system: Definition and Types of social system</li> <li>• Role and Status as structural elements of social system</li> <li>• Inter – relationship of institutions</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Observation visits</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> <li>• Assessment of report on community survey</li> </ul>
XI	2	<ul style="list-style-type: none"> <li>• Explain the nature and process of social control</li> </ul>	<b>Social Control</b> <ul style="list-style-type: none"> <li>• nature and process of social control</li> <li>• Political, legal, Religious, Educational, Economic,</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• community survey</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> <li>• Assessment of report on community survey</li> </ul>

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			Industrial and Technological systems, Norms & Values Folkways & Mores customs, Laws and fashion Role of nurse		
XII	15	<ul style="list-style-type: none"> <li>Describe the role of the nurse in dealing with social problems in India</li> </ul>	<b>Social Problems</b> <ul style="list-style-type: none"> <li>Social disorganization</li> <li>control &amp; planning : poverty housing, illiteracy, food supplies, prostitution, rights of women &amp; children vulnerable groups: Elderly, handicapped , minority groups and other marginalized groups, child labour, child abuses, delinquency and crime, Substance abuse, HIV/AIDS.</li> <li>Social Welfare programmes in India</li> </ul> Role of nurse	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Institutional visits</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> <li>Assessment of report on community survey</li> </ul>

**Reference Books:**

- 1 Sociology for Nurses : Potten
- 2 Sociology for Nurses : Abraham
- 3 Sociology for Nurses : B.N.S.Rao
- 4 Sociology for Nurses : Indrani
- 5 Sociology for Nurses : Minelkar

In force from June – 2009

SY. B, Sc. (Nursing)

Placement – Second Year

Th.-45 Hours

Paper No.- 02 : Pharmacology

25+75=100 Marks

**Course Description:** The course is designed to enable students to acquire understanding of pharmaco – dynamics, pharmacokinetics, principles of therapeutics and nursing implications.

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	3	<ul style="list-style-type: none"> <li>Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration</li> </ul>	<b>Introduction to pharmacology</b> <ul style="list-style-type: none"> <li>Definitions</li> <li>Sources</li> <li>terminology used</li> <li>types: classification</li> <li>Pharmacodynamics: Actions, therapeutic,</li> <li>Adverse, toxic</li> <li>Pharmacokinetics; absorption, distribution, metabolism, interaction, excretion</li> <li>Review: Routes and principles of administration of drugs</li> <li>Indian pharmacopoeia: Legal issues</li> <li>Rational use of drugs</li> <li>Principles of therapeutics</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
II	6	<ul style="list-style-type: none"> <li>Explain chemotherapy of specific infections and infestation and nurse's responsibilities</li> </ul>	<b>Chemotherapy</b> <ul style="list-style-type: none"> <li>Pharmacology of commonly used;                             <ul style="list-style-type: none"> <li>* Penicillin</li> <li>* Cephalosporins,</li> <li>* Aminoglycosides</li> <li>* Macrolode &amp; Broad Spectrum Antibiotics</li> <li>* Sulfonamides</li> <li>* Quinolones,</li> <li>* Antiamoebic</li> <li>* Anitmalarials</li> <li>* Anthelmintics</li> <li>* Antiscabies agents</li> <li>* Antiviral &amp; anti-fungal agents.</li> <li>* antitubercular drugs</li> <li>* Anti leprosy drugs</li> <li>* Anticancer drugs</li> <li>* Immuno-suppressants</li> </ul> </li> <li>Composition, action, dosage, route, indications, contraindications, drug</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Drug study/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			interactions, side effects, adverse effects, toxicity and role of nurse		
III	2	<ul style="list-style-type: none"> <li>Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities</li> </ul>	<p><b>Pharmacology of commonly used antiseptics, disinfectants and insecticides</b></p> <ul style="list-style-type: none"> <li>Antiseptics; composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</li> <li>Disinfectants</li> <li>Insecticides</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
		<ul style="list-style-type: none"> <li>Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities</li> </ul>	<p><b>Drugs acting on G.I. system</b></p> <ul style="list-style-type: none"> <li>Pharmacology of commonly used <ul style="list-style-type: none"> <li>* Antiemetics,</li> <li>* Emetics</li> <li>* Purgatives</li> <li>* Antacids</li> <li>* cholinergic</li> <li>* Anticholinergics</li> <li>* Fluid and electrolyte therapy</li> <li>* Anti diarrhoeals</li> <li>* Histamines</li> </ul> </li> <li>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
		<ul style="list-style-type: none"> <li>Describe Drugs used on Respiratory Systems and nurse's responsibilities</li> </ul>	<p><b>Drugs used on Respiratory Systems</b></p> <ul style="list-style-type: none"> <li>Pharmacology of commonly used <ul style="list-style-type: none"> <li>* Antiasthmatics</li> <li>* Mucolytics</li> <li>* Decongestants</li> <li>* Expectorants</li> <li>* Antitussives</li> <li>* Bronchodilators</li> <li>* Broncho constrictors</li> <li>* Antihistamines</li> </ul> </li> <li>Composition, action, dosage, route indications, contraindications, drug interactions, side effects,</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			adverse effects, toxicity and role of nurse		
VI	2	<ul style="list-style-type: none"> <li>Describe Drugs used on Urinary System and nurse's responsibilities</li> </ul>	<p><b>Drugs used on Urinary System</b></p> <ul style="list-style-type: none"> <li>Pharmacology of commonly used               <ul style="list-style-type: none"> <li>* Diuretics and antidiuretics</li> <li>* Urinary antiseptics</li> <li>* Cholinergic and anticholinergics</li> <li>* Acidifiers and alkalinizers</li> </ul> </li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
VII	4	<ul style="list-style-type: none"> <li>Describe Drugs used in De-addiction, emergency, emergency, deficiency of vitamins &amp; minerals, poisoning, for immunization and immunosuppression and nurse's responsibilities</li> </ul>	<p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>Drugs used in de-addiction</li> <li>Drugs used in CPR and emergency</li> <li>Vitamins and minerals</li> <li>Immunosuppressant</li> <li>Antidotes</li> <li>Vaccines and sera</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
VIII	1	<ul style="list-style-type: none"> <li>Describe Drugs used on skin and mucous membranes and nurse's responsibilities</li> </ul>	<p><b>Drugs used on skin and mucous membranes</b></p> <ul style="list-style-type: none"> <li>Topical applications for skin, eye, ear, nose and buccal cavity antipruritics</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
IX	8	<ul style="list-style-type: none"> <li>Describe Drugs used on Nervous System and nurse's responsibilities</li> </ul>	<p><b>Drugs acting on Nervous system</b></p> <ul style="list-style-type: none"> <li>Basic &amp; applied pharmacology of commonly used:               <ul style="list-style-type: none"> <li>Analgesics and Anesthetics</li> <li>* Analgesics</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
		bilities.	<p>-Non steroidal anti-inflammatory (NSAID) drugs</p> <ul style="list-style-type: none"> <li>* Antipyretics</li> <li>* Hypnotics and Sedatives</li> <li>-Opioids</li> <li>-Non-Opioids</li> <li>-Tranquilizers</li> <li>-General &amp; local anesthetics</li> <li>-Gases: oxygen nitrous oxide, carbon-dioxide</li> <li>• Cholinergic and anti-cholinergics: <ul style="list-style-type: none"> <li>* Muscle relaxants</li> <li>* Major tranquilizers</li> <li>* Anti-psychotics</li> <li>* Antidepressants</li> <li>* Anticonvulsants</li> <li>* Adrenergics</li> <li>* Narodregenis</li> <li>* Mood stabilizers</li> <li>* Acetylcholine</li> <li>* Stimulants</li> </ul> </li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>		
X	5	<ul style="list-style-type: none"> <li>• Describe drugs used on cardiovascular system and nurse's responsibilities</li> </ul>	<p><b>Cardiovascular drugs</b></p> <ul style="list-style-type: none"> <li>• Haemtinics</li> <li>• Cardiotonics,</li> <li>• Anti anginals</li> <li>• Anti – hypertensives &amp; Vasodilators</li> <li>• Anti – arrhythmics</li> <li>• Plasma expanders</li> <li>• Coagulants &amp; anticoagulants</li> <li>• Antiplatelets &amp; thrombolytics</li> <li>• Hypolipidemics</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug sudy / presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> </ul>
XI	4	<ul style="list-style-type: none"> <li>• Describe drugs used for hormonal</li> </ul>	<p><b>Drugs used for hormonal disorders and supplementation,</b></p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug sudy /</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
		disorders and	<b>contraception and medical termination of pregnancy</b>	presentation	
		supple- mentation, contraception and medical termination of pregnancy and nurse's responsi- bilities	<ul style="list-style-type: none"> <li>• Insulins &amp; Oral hypoglycemics</li> <li>• Thyroid supplements and suppressants</li> <li>• Steroids, anabolics</li> <li>• Uterine stimulants and relaxants</li> <li>• Oral contraceptives</li> <li>• Other estrogen-progestrone preparations</li> <li>• Corticotrophine &amp; Gonadotropines</li> <li>• Adrenaline</li> <li>• Prostaglandins</li> <li>• Calcitonins</li> <li>• Calcium salts</li> <li>• Calcium regulators</li> </ul> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects adverse effects, toxicity and role of nurse		
XII	6	<ul style="list-style-type: none"> <li>• Demonstrate awareness of the common drugs used in alternative system of medicine</li> </ul>	<b>Introduction to Drugs used in alternative systems of medicine:</b> <ul style="list-style-type: none"> <li>• Ayurveda, Homeopathy, Unani and Siddha etc</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study / presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> </ul>

**Reference Books:**

- |   |                                  |   |                   |
|---|----------------------------------|---|-------------------|
| 1 | Clinical Pharmacology for Nurses | : | Trousens          |
| 2 | Essentials & medical ph          | : | tripathi          |
| 3 | Medical P for Nurses             | : | Chandhary & Moghe |
| 4 | P. Questions & Answer            | : | Chandhary & Moghe |

In force from June – 2009

SY. B,Sc. (Nursing)

Placement – Second Year

60 Hours

Paper No.- 03 : Pathology (Sectoin – A)

25+75=100 Marks

**Course Description:** The course is designed to enable students to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work students will practice their skills in verbal and written English during clinical and classroom experiences.

Unit	Time (Hrs.)		Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
I	3		<ul style="list-style-type: none"> <li>● Define the common terms used in pathology.</li> <li>● Appreciate the deviations from to normal to abnormal structure and function of the body system.</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Introduction</b> <ul style="list-style-type: none"> <li>➢ Importance of the study of pathology</li> <li>➢ Definition of terms</li> <li>➢ Methods and techniques</li> <li>➢ Cellular and Tissue changes</li> <li>➢ Infiltration and regeneration</li> <li>➢ Inflammations and Infections</li> <li>➢ Wound healing</li> <li>➢ Vascular changes</li> </ul> </li> <li>● <b>Cellular growth, Neoplasms</b> <ul style="list-style-type: none"> <li>➢ Normal and cancer cell</li> <li>➢ Benign and Malignant growths</li> <li>➢ In situ carcinoma</li> </ul> </li> <li>● <b>Disturbances of fluid and electrolyte imbalance</b></li> </ul>	<ul style="list-style-type: none"> <li>● Lecture Discussion</li> <li>● Explain using charts</li> </ul>	<ul style="list-style-type: none"> <li>● Short answers</li> <li>● Objective Type</li> </ul>
II	10	5	<ul style="list-style-type: none"> <li>● Explain Pathological changes in disease conditions of various systems</li> </ul>	<p><b>Special pathology</b></p> <ul style="list-style-type: none"> <li>● Pathological changes in disease conditions of various system:</li> <li>● Respiratory tract <ul style="list-style-type: none"> <li>➢ Tuberculosis, Bronchitis,</li> <li>➢ Pleural effusion and pneumonia,</li> <li>➢ Lung abscess, emphysema, bronchiectasis</li> <li>➢ Bronchial asthma, Chronic obstructive Pulmonary disease &amp; tumours</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Lecture Discussion</li> <li>● Explain using Charts, slides, specimen, X-rays and Scans</li> <li>● Visit to Pathology lab, endoscopy unit and OT</li> </ul>	<ul style="list-style-type: none"> <li>● Short answers</li> <li>● Objective type</li> </ul>
				➢ <b>Cardio-vascular system</b>		

			<ul style="list-style-type: none"> <li>➤ Pericardial effusion</li> <li>➤ Rheumatic heart disease</li> <li>➤ Infective endocarditis, atherosclerosis</li> <li>➤ Ischemia, infarction &amp; aneurysm</li> <li>➤ <b>Gastro Intestinal Tract</b></li> <li>➤ Peptic ulcer, typhoid</li> <li>➤ Carcinoma of GI tract buccal, Esophageal,</li> <li>➤ Gastric &amp; intestinal</li> <li>● <b>Liver, Gall bladder &amp; pancreas</b></li> <li>➤ Hepatitis, Chronic liver abscess, cirrhosis</li> <li>➤ Tumours of liver, gall bladder and pancreas,</li> <li>➤ Cholecystitis</li> <li>● <b>Kidneys &amp; Urinary tract</b></li> <li>➤ Glomerulonephritis, Pyelonephritis</li> <li>➤ Calculi, renal failure, renal carcinoma &amp; cystitis</li> <li>● <b>Male genital systems</b></li> <li>➤ Cryptorchidism, testicular atrophy</li> <li>➤ Prostatic hyperplasia, carcinoma Penis &amp; prostate</li> <li>● <b>Female genital system</b></li> <li>➤ Fibroids</li> <li>➤ Carcinoma cervix and Endometrium</li> <li>➤ Vesicular mole, choriocarcinoma</li> <li>➤ Ectopic gestation</li> <li>➤ Ovarian cyst &amp; tumours</li> <li>● <b>Cancer Breast</b></li> </ul>			
			<ul style="list-style-type: none"> <li>● <b>Central Nervous system</b></li> <li>➤ Hydrocephalus, Meningitis, encephalitis,</li> <li>➤ Vascular disorders – thrombosis, embolism</li> <li>➤ Stroke, paraplegic, quadriplegia</li> <li>➤ Tumours, meningiomas – gliomas</li> <li>● <b>Metastatic tumour</b></li> <li>● <b>Skeletal system</b></li> <li>➤ Bone healing, osteoporosis, osteomyelitis</li> <li>● <b>Arthritis &amp; tumours</b></li> </ul>			
III	4	3	<ul style="list-style-type: none"> <li>● Describe various</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Clinical pathology</b></li> <li>● Various blood and bone</li> </ul>	<ul style="list-style-type: none"> <li>● Lecture Discussion</li> </ul>	<ul style="list-style-type: none"> <li>● Short answers</li> </ul>

			<p>laboratory tests in assessment and monitoring of disease conditions</p>	<p>marrow tests in assessment and monitoring of disease conditions</p> <ul style="list-style-type: none"> <li>➤ Hemoglobin</li> <li>➤ RBC, White cell &amp; platelet counts</li> <li>➤ Bleeding time, clotting time and prothrombine time</li> <li>➤ Blood grouping and cross matching</li> <li>➤ Blood chemistry</li> <li>➤ Blood culture</li> <li>➤ Serological and immunological tests</li> <li>➤ Other blood tests</li> <li>➤ Examination of Bone marrow</li> <li>➤ Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values.</li> </ul>	<ul style="list-style-type: none"> <li>● Demonstration</li> <li>● Visit to Clinical Pathology &amp; Bio-Chemistry lab and Blood bank</li> </ul>	<ul style="list-style-type: none"> <li>● Objective type</li> </ul>
IV	2	1	<ul style="list-style-type: none"> <li>● Describe the laboratory tests for examination of body cavity fluids, transudates and exudates</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Examination of body cavity fluids, transudates and exudates</b></li> <li>➤ The laboratories tests used in CSF analysis</li> <li>➤ Examination of other body cavity fluids, transudates and exudates – sputum, wound discharge etc</li> <li>➤ Analysis of gastric and duodenal contents</li> <li>➤ Analysis of semen-sperm count, motility and morphology and their importance in infertility</li> <li>➤ Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values</li> </ul>	<ul style="list-style-type: none"> <li>● Lecture Discussion</li> <li>● Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>● Short answers</li> <li>● Objective type</li> </ul>
V	1	1	<ul style="list-style-type: none"> <li>● Describe the laboratory tests for examination of Urine and faeces</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Urine and faeces</b></li> <li>● <b>Urine</b></li> <li>➤ Physical characteristics</li> <li>➤ Analysis</li> <li>➤ Culture and sensitivity</li> <li>● <b>Faeces</b></li> <li>➤ Characteristics</li> <li>➤ Stool examination: occult</li> </ul>	<ul style="list-style-type: none"> <li>● Lecture Discussion</li> <li>● Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>● Short answers</li> <li>● Objective type</li> </ul>

				blood, ova, parasite and cyst, reducing substance etc. ● Methods of collection for various tests, inference and normal values		
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**Reference Book:**

In force from June – 2009

SY. B,Sc. (Nursing)

Placement – Second Year

60 Hours

Paper No.- 04 : Genetics (Section – B)

25+75=100 Marks

**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)	Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> <li>Explain nature, principles and perspectives of heredity</li> </ul>	<b>Introduction:</b> <ul style="list-style-type: none"> <li>Practical application of genetics in Nursing</li> <li>Impact of genetic condition on families</li> <li>Review of cellular division mitosis and meiosis.</li> <li>Characteristics and structure of genes</li> <li>Chromosomes – sex determination</li> <li>Chromosomal aberrations Patterns of inheritance</li> <li>Mendelian theory of inheritance</li> <li>Multiple allots and blood groups</li> <li>Sex linked inheritance</li> <li>Mechanism of inheritance</li> <li>Errors in transmission (Mutation)</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Explain using chars, slides</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>
II	3	<ul style="list-style-type: none"> <li>Explain Maternal, prenatal and genetic influences on development of defects and diseases</li> </ul>	<b>Maternal, prenatal and genetic influences on development of defects and diseases</b> <ul style="list-style-type: none"> <li>Conditions affection the mother: genetic and infections</li> <li>Consanguinity atopy</li> <li>Prenatal nutrition and food allergies.</li> <li>Maternal Age</li> <li>Maternal drug therapy</li> <li>Prenatal testing and diagnosis</li> <li>Effect of Radiation, drugs and chemicals</li> <li>Infertility</li> <li>Spontaneous abortion</li> <li>Neural Tube Defects and the role of folic acid in lowering the risks</li> <li>Down syndrome (Trisomy 21)</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Explain using chars, slides</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>
III	2	<ul style="list-style-type: none"> <li>Explain the screening methods for</li> </ul>	<b>Genetic testing in the neonates and children</b> <ul style="list-style-type: none"> <li>Screening for</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Explain using</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objectives</li> </ul>

		genetic defects and diseases in neonates and children	<ul style="list-style-type: none"> <li>➤ Congenital abnormalities</li> <li>➤ Developmental delay</li> <li>➤ Dysmorphism</li> </ul>	charts, slides	type
IV	2	<ul style="list-style-type: none"> <li>● Identify genetic disorders in adolescents and adults</li> </ul>	<b>Genetic conditions of adolescents and adults</b> <ul style="list-style-type: none"> <li>➤ Cancer genetics – Familial Cancer</li> <li>➤ Inborn error of metabolism</li> <li>➤ Blood group alleles and hematological disorder</li> <li>➤ Genetic haemochromatosis</li> <li>➤ Huntington's disease</li> <li>➤ Mental illness</li> </ul>	<ul style="list-style-type: none"> <li>● Lecture Discussion</li> <li>● Explain using charts, slides</li> </ul>	<ul style="list-style-type: none"> <li>● Short answers</li> <li>● Objectives type</li> </ul>
V	5	<ul style="list-style-type: none"> <li>● Describe the role of nurse in genetic services and counselling</li> </ul>	<b>Services related to Genetics</b> <ul style="list-style-type: none"> <li>● Genetic testing</li> <li>● Human genome project</li> <li>● Gene therapy</li> <li>● The Eugenics movement</li> <li>● Genetic Counselling Legal and Ethical issues Role of nurse</li> </ul>	<ul style="list-style-type: none"> <li>● Lecture Discussion</li> </ul>	<ul style="list-style-type: none"> <li>● Short answers</li> <li>● Objectives type</li> </ul>

**Reference Book:**

In force from June – 2009

SY. B,Sc. (Nursing)

Placement – Second Year

Paper No.- 05 Medical-Surgical Nursing

210 Hours

(Adult including Geriatrics)-1

25+75=100 Marks

**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	Teaching Learning Activities	Assessment Methods
I	15	<ul style="list-style-type: none"> <li>• Appreciate the trends in medical and surgical nursing.</li> <li>• Describe the role of a nurse in caring for adult patient in hospital and community.</li> <li>• Describe the concept of Medical Surgical asepsis</li> </ul>	<p><b>Introduction:</b></p> <ul style="list-style-type: none"> <li>• Introduction to medical surgical nursing-Evolution and trends of medical and surgical nursing</li> <li>• Review of Concepts of Health and illness Disease-concepts, causations, classification Diseases (ICD-10 or later version), Acute illness Chronic illness &amp; Terminal illness, stages of illness</li> <li>• Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.</li> <li>• Role of Nurse, patient and family in care of adult patient</li> <li>• Role and responsibilities of a nurse in medical surgical settings:               <ul style="list-style-type: none"> <li>➤ Outpatient department,</li> <li>➤ In-patient unit</li> <li>➤ Intensive care unit</li> <li>➤ Home and Community settings</li> </ul> </li> <li>• Introduction to Medical Surgical asepsis               <ul style="list-style-type: none"> <li>➤ Inflammation and Infection</li> <li>➤ Immunity</li> <li>➤ Wound healing</li> <li>➤ Care of Surgical Patient</li> <li>➤ Pre-operative</li> <li>➤ Intra operative</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective Type</li> <li>• Assessment of skills with check list</li> </ul>

II	15	<ul style="list-style-type: none"> <li>Describe the common signs, symptoms, problems and their</li> <li>Specific nursing interventions</li> </ul>	<p>➤ Post Operative</p> <p><b>Common signs and symptoms and management</b></p> <ul style="list-style-type: none"> <li>Fluid and electrolyte imbalance.</li> <li>Vomiting</li> <li>Dyspnea and cough, respiratory obstruction</li> <li>Fever</li> <li>Shock</li> <li>Unconsciousness, Syncope</li> <li>Pain</li> <li>Incontinence</li> <li>Edema</li> <li>Age related problems-geriatric</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Seminar</li> <li>Case discussion</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective Type</li> </ul>
III	20	<ul style="list-style-type: none"> <li>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems</li> </ul>	<p><b>Nursing managements of patients (adults including elderly) with respiratory problems</b></p> <ul style="list-style-type: none"> <li>Review of anatomy and physiology of respiratory system,</li> <li>Nursing Assessment- History and Physical assessment</li> <li>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of adults including elderly with –</li> </ul> <p>➤ Upper Respiratory tract infections.</p> <p>➤ Bronchitis</p> <p>➤ Asthma</p> <p>➤ Emphysema</p> <p>➤ Empyema</p> <p>➤ Atelectasis</p> <p>➤ Chronic Obstructive Pulmonary Diseases (COPD)</p> <p>➤ Brochiectasis</p> <p>➤ Pneumonia</p> <p>➤ Pulmonary tuberculosis</p> <p>➤ Lung abscess</p> <p>➤ Pleural effusion</p> <p>➤ Cysts and Tumours</p>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts, graphs</li> <li>Models, films, slides</li> <li>Demonstration</li> <li>Practice session</li> <li>Case discussions/Seminar</li> <li>Health education</li> <li>Supervised clinical practice</li> <li>Drug book/presentation</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with check list</li> <li>Assessment of patient management problem</li> </ul>

			<ul style="list-style-type: none"> <li>➤ Chest injuries</li> <li>➤ Respirator arrest and insufficiency</li> <li>➤ Pulmonary embolism</li> </ul> <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of respiratory disorders</p>		
IV	30	<ul style="list-style-type: none"> <li>● Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems</li> </ul>	<p><b>Nursing management of patient (adults including elderly) with disorders of digestive system</b></p> <ul style="list-style-type: none"> <li>● Review of anatomy and physiology of digestive system</li> <li>● Nursing Assessment- History and Physical assessment</li> <li>● Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management</li> <li>● Disorders of <ul style="list-style-type: none"> <li>➤ Oral cavity-lips, gums, tongue, salivary glands and teeth</li> <li>➤ Oesophagus-inflammation, stricture, obstruction, bleeding and tumours</li> <li>➤ Stomach and deudenumhiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis</li> <li>➤ Small intestinal disorder sinflammation and infection, entritis, malabsorption, obstruction, tumour and perforation</li> <li>➤ Large intestinal disorders Colitis, inflammation and infectioin, obstruction and tumour and lump</li> <li>➤ Hernias</li> <li>➤ Appendix-inflammation, mass, abscess, rupture</li> <li>➤ Anal &amp; Rectum; hemorrhoids, fissures, Fistulas</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Lecture discussion</li> <li>● Explain using Charts, graphs</li> <li>● Models, films, slides</li> <li>● Demonstration</li> <li>● Practice session</li> <li>● Case discussions/Semin ar</li> <li>● Health education</li> <li>● Supervised clinical practice</li> <li>● Drug book/presentation</li> </ul>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> <li>● Objective type</li> <li>● Assessment of skills with check list</li> <li>● Assessment of patient management problem</li> </ul>

			<ul style="list-style-type: none"> <li>➤ Peritonitis/acute abdomen</li> <li>➤ Pancreas; inflammation, cyst, abscess and tumours</li> <li>➤ Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumors</li> <li>➤ Gall Bladder; inflammation, obstruction, stones and tumours</li> </ul> <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system</p>		
V	30	<ul style="list-style-type: none"> <li>• Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems</li> <li>• Describes the vascular conditions and its nursing management</li> </ul>	<p><b>Nursing management of patient (adults including elderly) with blood and cardio vascular problems</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of blood and cardio vascular system,</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Etiology, pathophysiology, clinical manifestations, clinical diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of –</li> <li>• Vascular system <ul style="list-style-type: none"> <li>➤ Hypertension, Hypotension</li> <li>➤ Arteriosclerosis</li> <li>➤ Raynaud’s disease</li> <li>➤ Aneurism and Perpherial vascular disorders</li> </ul> </li> </ul> <p><b>Heart</b></p> <ul style="list-style-type: none"> <li>• Coronary artery diseases <ul style="list-style-type: none"> <li>➤ Ischemic Heart Disease</li> <li>➤ Cornory artherosclerosis</li> <li>➤ Angina pectoris</li> <li>➤ Myocardial infarction</li> </ul> </li> <li>• Valvular disorders of the heart <ul style="list-style-type: none"> <li>➤ Congenital and acquired</li> <li>➤ Rheumatic Heart diseases</li> </ul> </li> <li>• Endocarditis, Pericarditis Myocarditis</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/presentation</li> <li>• Visit to blood bank</li> <li>• Participation in blood donation camp</li> <li>• Counseling</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>

			<ul style="list-style-type: none"> <li>• Cardio Myopathies</li> <li>• Cardiac dysrhythmias, Heart Block</li> <li>• Congestive cardiac failure <ul style="list-style-type: none"> <li>➤ Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade</li> </ul> </li> <li>• Cardiac emergencies and arrest</li> <li>• Cardio Pulmonary Resuscitation (CPR)</li> <li>• Blood <ul style="list-style-type: none"> <li>➤ Anaemias</li> <li>➤ Polycythemia</li> <li>➤ Bleeding disorders; clotting factor defects and platelets defects</li> <li>➤ Thalassemia</li> <li>➤ Leukaemias</li> <li>➤ Leukopenias and agranulocytosis</li> <li>➤ Lymphomas</li> <li>➤ Myelomas</li> </ul> </li> <li>• Special therapies <ul style="list-style-type: none"> <li>➤ Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.</li> <li>➤ Management and counseling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion.</li> <li>➤ Role of a nurse in Organ donation, retrieval and banking</li> </ul> </li> </ul> <p>Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorder.</p>		
VI	10	<ul style="list-style-type: none"> <li>• Describe the etiology, patho</li> </ul>	<b>Nursing management of patient (adults including</b>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> </ul>

		<p>physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genitor-urinary system.</p>	<p><b>elderly )with genitor-urinary problems</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of genitor-urinary system</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of- <ul style="list-style-type: none"> <li>• Nephritis</li> <li>• Nephrotic syndrome</li> <li>• Nephrosis</li> <li>• Renal calculus</li> <li>• Tumours</li> <li>• Acute renal failure</li> <li>• Chronic renal failure</li> <li>• Chronic renal failure</li> <li>• End stage renal disease</li> <li>• Dialysis, renal transplant</li> <li>• Congenital disorders, urinary infections</li> <li>• Benign prostate hypertrophy.</li> <li>• Disorders of ureter, urinary bladder and urethra- inflammation, infection, stricture, obstruction, tumour, prostate</li> </ul> </li> </ul> <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genitourinary disorder.</p>	<ul style="list-style-type: none"> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem.</li> </ul>
VII	5	<ul style="list-style-type: none"> <li>• Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system</li> </ul>	<p><b>Nursing management of disorders of male (adults including elderly) reproductive system</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of male reproductive system</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem.</li> </ul>

			<p>medical, surgical, dietetic &amp; nursing management of disorders of male reproductive system</p> <ul style="list-style-type: none"> <li>• Congenital malformations, cryptorchidism</li> <li>• Hypospadias, Epispadias</li> <li>• Infections</li> <li>• Testis and adjacent structures</li> <li>• Penis</li> <li>• Prostate: inflammation, infection, hypertrophy, tumour</li> <li>• Sexual Dysfunction</li> <li>• Infertility</li> <li>• Contraception</li> <li>• Breast; gynecomastia, tumour</li> <li>• Climacteric changes Special therapies, alternative therapies</li> </ul> <p>Nursing procedures Drugs used in treatment of disorders of male reproductive system</p>	<ul style="list-style-type: none"> <li>• Drug book/presentation</li> </ul>	
VIII	10	<ul style="list-style-type: none"> <li>• Describe the etiology, path physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system</li> </ul>	<p><b>Nursing management of disorders of male (adults including elderly) with disorders of endocrine system</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of endocrine system</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis treatment modalities and medical, surgical, dietetics &amp; nursing management of <ul style="list-style-type: none"> <li>➢ Disorders of Thyroid and Parathyroid</li> <li>➢ Diabetes mellitus</li> <li>➢ Diabetes insipidus</li> <li>➢ Adrenal tumour</li> <li>➢ Pituitary disorders.</li> </ul> </li> </ul> <p>Special therapies, alternative therapies Nursing procedures</p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem.</li> </ul>

			Drugs used in treatment of disorders of endocrine system		
IX	10	<ul style="list-style-type: none"> <li>Describe the etiology, path physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system</li> </ul>	<p><b>Nursing management of disorders of male (adults including elderly) with disorders of Integumentary system</b></p> <ul style="list-style-type: none"> <li>Review of anatomy and physiology of Skin and its appendages</li> <li>Nursing Assessment- History and Physical assessment</li> <li>Pathophysiology, clinical manifestations, diagnosis treatment modalities and medical, surgical, dietetics &amp; nursing management of disorders of skin and its appendages- <ul style="list-style-type: none"> <li>Lesions and abrasions</li> <li>Infection and infestations; Dermatitis</li> <li>Dermatoses; infectious and Non infectious “ inflammatory dermatoses”</li> <li>Acne Vulgaris</li> <li>Allergies and Eczema</li> <li>Psoriasis</li> <li>Malignant melanoma</li> <li>Alopecia</li> </ul> </li> </ul> <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of Integumentary system</p>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts, graphs</li> <li>Models, films, slides</li> <li>Demonstration</li> <li>Practice session</li> <li>Case discussions/ Seminar</li> <li>Health education</li> <li>Supervised clinical practice</li> <li>Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with check list</li> <li>Assessment of patient management problem.</li> </ul>
X	15	<ul style="list-style-type: none"> <li>Describe the etiology, path physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system</li> </ul>	<p><b>Nursing management of patient (adults including elderly) with musculoskeletal problems</b></p> <ul style="list-style-type: none"> <li>Review of anatomy and physiology of musculoskeletal system,</li> <li>Nursing Assessment- History and Physical assessment</li> <li>Etiology, Pathophysiology, clinical manifestations, diagnosis treatment modalities and</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts, graphs</li> <li>Models, films, slides</li> <li>Demonstration</li> <li>Practice session</li> <li>Case discussions/ Seminar</li> <li>Health education</li> <li>Supervised</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with check list</li> <li>Assessment of patient management problem.</li> </ul>

			<p>medical, surgical , dietetics &amp; nursing management of -</p> <ul style="list-style-type: none"> <li>• Disorders of: <ul style="list-style-type: none"> <li>➤ Muscles, Ligaments and Joints – inflammation, infection, trauma</li> <li>➤ Bones-inflammation, infection, dislocation, fracture, tumour and trauma</li> <li>➤ Osteomalacia and osteomalacia and osteoporosis</li> <li>➤ Arthritis</li> <li>➤ Congenital deformities</li> <li>➤ Spinal column-defects and deformities, Tuor, Prolapsed inter verevraldisc, pott’s spine</li> <li>➤ Paget’s disease</li> </ul> </li> <li>• Amputation</li> <li>• Prosthesis</li> <li>• Transplant &amp; replacement surgeries</li> <li>• Rehabilitation. Special therapies, alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of disorders of musculoskeletal system</li> </ul>	<p>clinical practice</p> <ul style="list-style-type: none"> <li>• Drug book/ presentation</li> </ul>	
XI	10	<ul style="list-style-type: none"> <li>• Describe the etiology, path physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly)with disorders of immunological system</li> </ul>	<p><b>Nursing management of patient (adults including elderly) with Immunological problems</b></p> <ul style="list-style-type: none"> <li>• Review of Immune system,</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis treatment modalities and medical, surgical , dietetics &amp; nursing management of -</li> <li>• Immunodeficiency disorder.</li> <li>• Primary immuno deficiency.</li> <li>• Phagocytic dysfunction</li> <li>• B-cell and T-cell</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Orientation visit to Hospital Control system</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment o patient management problem.</li> </ul>

			<p>deficiencies</p> <ul style="list-style-type: none"> <li>• Secondary immunodeficiencies</li> <li>• Acquired immunodeficiency syndrome(AIDS)</li> <li>• Incidence of HIV &amp; AIDS</li> <li>• Epidemiology</li> <li>• Transmission-Prevention of Transmission</li> <li>• Standard Safety prevention of Transmission</li> <li>• Standard Safety precautions</li> <li>• Role of Nurse; Counseling</li> <li>• Health education and home care consideration.</li> <li>• National AIDS Control Program- NACO, various national and international agencies</li> <li>• Infection control program</li> <li>• Rehabilitation. Special therapies, alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of disorders of immunological system</li> </ul>		
XII	20	<ul style="list-style-type: none"> <li>• Describe the etiology, path physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly)with Communicable Diseases.</li> </ul>	<p><b>Nursing management of patient (adults including elderly) with Communicable Diseases</b></p> <ul style="list-style-type: none"> <li>• Overview of infectious disease, the infectious process</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics. Control and eradication of common Communicable Diseases- <ul style="list-style-type: none"> <li>➤ Tuberculosis</li> <li>➤ Diarrhoeal diseases</li> <li>➤ Hepatitis A – E</li> <li>➤ Herpes</li> <li>➤ Chickenpox</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem.</li> </ul>

			<ul style="list-style-type: none"> <li>➤ Smallpox</li> <li>➤ Typhoid</li> <li>➤ Meningitis</li> <li>➤ Gas gangrene</li> <li>➤ Leprosy</li> <li>➤ Dengue</li> <li>➤ Plague</li> <li>➤ Malaria</li> <li>➤ Diphtheria</li> <li>➤ Pertussis</li> <li>➤ Poliomyelitis</li> <li>➤ Measles</li> <li>➤ Mumps</li> <li>➤ Influenza</li> <li>➤ Tetanus</li> <li>➤ Yellow fever</li> <li>➤ Filariasis</li> <li>➤ HIV , AIDS</li> <li>• Reproductive Tract Infections</li> <li>• Special Infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals</li> <li>Special therapies, alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of</li> <li>Communication diseases</li> </ul>		
XII	25	<ul style="list-style-type: none"> <li>• Describe the Organization and physical set up of operation theatre</li> <li>• Identify the various instruments and equipments used for common surgical procedures</li> <li>• Describe the infection control measures in the Operation theatre</li> <li>• Describe the role of the Peri Operative nursing care</li> </ul>	<p><b>Peri operative nursing :</b></p> <ul style="list-style-type: none"> <li>• Organisation and physical set up of the Operation Theatre(O.T.):</li> <li>➤ Classifications</li> <li>➤ O.T. DESIGN</li> <li>➤ Staffing</li> <li>➤ Members of the OT team.</li> <li>➤ Duties and responsibilities of nurse in O.T.</li> <li>➤ principles of Health and operating room attire.</li> <li>➤ Instruments,</li> <li>➤ Sutures and suture materials</li> <li>➤ Equipments</li> <li>➤ O.T. tables and sets for common surgical procedures</li> <li>➤ Positions and draping for common surgical procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised clinical practice</li> <li>• Drug book / presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> </ul>

			<ul style="list-style-type: none"> <li>➤ Scrubbing procedures</li> <li>➤ Gowning and gloving</li> <li>➤ Preparation of O.T. Sets</li> <li>➤ Monitoring the patient during surgical procedures</li> <li>• Maintenance of therapeutic environment in O.T.</li> <li>• Standard Safety measures</li> <li>➤ Infection control. Fumigation, disinfection and sterilisation</li> <li>➤ Biomedical waste management</li> <li>➤ Prevention of accidents and hazards in O.T.</li> <li>• Anaesthesia</li> <li>➤ Types</li> <li>➤ Methods of administration</li> <li>➤ Effects and stages</li> <li>➤ Equipments</li> <li>➤ Drugs</li> <li>• Cardio Pulmonary Resuscitation (CPR)</li> <li>• Pain management techniques</li> <li>• Legal Aspects</li> </ul>		
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**Reference Book:**

- |    |  |   |                     |
|----|--|---|---------------------|
| 1. | Medical & Surgical Nursing                             | : | Brunner & Siddharth |
| 2. | Medical & Surgical Nursing Toohy's medicine for nurses | : | Bloom               |
| 3. | Medical & Surgical Nursing                             | : | Lipin cott          |
| 4. | Medical & Surgical Nursing                             | : | Black sorsen        |
| 5. | Medical & Surgical Nursing                             | : | Shaffer             |

In force from June – 2009

SY. B,Sc. (Nursing)

Placement – Second Year

Paper No.- 05 Medical-Surgical Nursing Practical

720 Hours

(Adult including Geriatrics)-1

100+100=200 Marks

Area	Duaratio n (in week)	Objectives	Skills	Assignments	Assignments Methods
General medical ward(*Respiratory, Gi, Endocrine, Renal, Hemotology)	6	<ul style="list-style-type: none"> <li>• Provide nursing care to adult patients with medical disorders</li> <li>• Counsel and educate patients and families</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of the patient               <ul style="list-style-type: none"> <li>➢ Taking history</li> <li>➢ Perform general and specific physical examination</li> <li>➢ Identify alterations and deviations</li> </ul> </li> <li>• Practice medical surgical asepsis- Standard safety measures</li> <li>• Administer medications               <ul style="list-style-type: none"> <li>➢ Oral, IV, IM, Subcutaneous</li> </ul> </li> <li>• IV therapy               <ul style="list-style-type: none"> <li>➢ IV canulation</li> <li>➢ Maintenance and monitoring</li> </ul> </li> <li>• Oxygen therapy by different methods</li> <li>• Nebulization</li> <li>• Chest physiotherapy</li> <li>• Naso gastric feeding</li> <li>• Assist in common diagnostic</li> <li>• Perform/Assist in therapeutic procedures</li> <li>• Blood and component therapy</li> <li>• Throat Suctioning</li> <li>• Collect specimens for common</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and give care to 3-4 assigned patients</li> <li>• Nursing care plan-2</li> <li>• Nursing case study/presentation-I</li> <li>• Drug presentation-I</li> <li>• Maintain drug book</li> <li>• Maintain practical record book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess Performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of case study/presentation</li> <li>• Completion of practical record.</li> </ul>

			<p>investigations.</p> <ul style="list-style-type: none"> <li>● Maintain elimination</li> <li>➤ Catheterization</li> <li>➤ Bowel wash</li> <li>➤ Enema</li> <li>➤ Urinary drainage</li> <li>● Maintain Intake, output and documentation</li> <li>● Counsel and teach related to specific disease conditions</li> </ul>		
General Surgical ward (GI, Urinary, CTVS)	6	<ul style="list-style-type: none"> <li>● Provide pre and operative nursing care to adult patients with surgical disorders</li> <li>● Counsel and educate patients and families</li> </ul>	<ul style="list-style-type: none"> <li>● Practice Medical surgical asepsis</li> <li>● Standard safety measures</li> <li>● Pre operative preparation of patients</li> <li>● Post operative care</li> <li>● Receiving pt, assessment, monitoring, care</li> <li>● Care of wounds and drainage</li> <li>● Suture removal</li> <li>● Ambulation and exercise</li> <li>● Naso gastric aspiration</li> <li>● care of chest drainage</li> <li>● Ostomy care</li> <li>➤ Gastrostomy</li> <li>➤ Colostomy</li> <li>➤ Enterostomy</li> <li>● Blood and component therapy</li> <li>● Practice universal precautions</li> </ul>	<ul style="list-style-type: none"> <li>● Plan and give care to 3-4 assigned patients</li> <li>● Nursing care plan-2</li> <li>● Nursing case study/presentation-I</li> <li>● Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>● Assess Performance with rating scale</li> <li>● Assess each skill with checklist</li> <li>● Evaluation of case study/presentation</li> <li>● Completion of activity record.</li> </ul>
Cardiology ward	2	<ul style="list-style-type: none"> <li>● Provide nursing care to patients with cardiac disorders</li> <li>● Counsel and educate patients and families</li> </ul>	<ul style="list-style-type: none"> <li>● Physical examination of the cardio vascular system</li> <li>● Recording and interpreting ECG</li> <li>● Monitoring of patients</li> <li>● Preparation and assisting in non-invasive and</li> </ul>	<ul style="list-style-type: none"> <li>● Plan and give care to 2-3 assigned patients</li> <li>● Nursing care plan-1</li> <li>● Nursing case study/presentation/Health talk-I</li> </ul>	<ul style="list-style-type: none"> <li>● Assess Performance with rating scale</li> <li>● Assess each skill with checklist</li> <li>● Evaluation of case study/presentation/Health</li> </ul>

			<p>invasive diagnostic procedures.</p> <ul style="list-style-type: none"> <li>• Administer cardiac drugs</li> <li>• Cardio pulmonary Resuscitation</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain drug book</li> <li>• Teach patients and families</li> <li>• Practice medical and surgical asepsis Standard safety measures</li> </ul>	<p>talk-I</p> <ul style="list-style-type: none"> <li>• Completion of activity record.</li> </ul>
Skin & Communicable diseases ward	1	<ul style="list-style-type: none"> <li>• Identify skin problems</li> <li>• Provide nursing care to patients with skin disorders &amp; Communicable diseases</li> <li>• Counsel and educate patients and families</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of patients with skin disorders</li> <li>• Assist in diagnostic and therapeutic procedures</li> <li>• Administer topical medication</li> <li>• Practice medical surgical asepsis Standard safety measures</li> <li>• Use of personal protective equipment (PPE)</li> <li>• Give Medicated baths</li> <li>• Counseling HIV positive patients</li> <li>• Teach prevention of infectious diseases.</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and give care to 2-3 assigned patients</li> <li>• Healthtalk/Counseling HIV positive patients and families-I</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess Performance with rating scale</li> <li>• Evaluation of Health talk/Counseling session</li> <li>• Completion of activity record.</li> </ul>
Orthopedic ward	2	<ul style="list-style-type: none"> <li>• Provide nursing care to patients with musculoskeletal disorders</li> <li>• Counsel and educate patients and families</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of orthopedic patients</li> <li>• Assist in application of plaster cast and removal of cast</li> <li>• Apply skin traction buck's extension traction</li> <li>• Assist in application and removal of prosthesis</li> <li>• Physiotherapy-Range of motion exercises(ROM), muscle strengthening</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and give care to 2-3 assigned patients</li> <li>• Nursing care plan-1</li> <li>• Nursing case study/presentation-I</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess Performance with rating scale</li> <li>• Evaluation of Nursing care plan and Nursing case study/presentation</li> <li>• Completion of activity record.</li> </ul>

			<p>exercises</p> <ul style="list-style-type: none"> <li>• Crutch maneuvering technique</li> <li>• Activities of daily living</li> <li>• Ambulation</li> <li>• Teach and counsel patients and families</li> </ul>		
Operation Theatre	6	<ul style="list-style-type: none"> <li>• Identify instruments used in common operations</li> <li>• Participate in infection control practices in the Operation theatre</li> <li>• Set-up the table/trolleys for common operative procedures</li> <li>• Assist in the operative procedures</li> <li>• Provide peri operative nursing care</li> </ul>	<ul style="list-style-type: none"> <li>• Scrubbing, gowning, gloving</li> <li>• Identify instruments, suturing materials for common operations</li> <li>• Disinfection, Carbolization, fumigation</li> <li>• Preparation of instrument sets for common operations</li> <li>• Sterilization of sharps and other instruments</li> <li>• Prepare the OT table depending upon the operation</li> <li>• Positioning and monitoring of patients</li> <li>• Endotracheal intubation</li> <li>• Assisting in minor and major operations</li> <li>• Handling specimens</li> <li>• Disposal of waste as per the guidelines</li> </ul>	<ul style="list-style-type: none"> <li>• Assist as a circulatory nurse in</li> <li>• Major cases- 10</li> <li>• Minor cases- 5</li> <li>• Assist as a scrub nurse in</li> <li>• Major cases- 10</li> <li>• Minor cases- 5</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Completion of activity record</li> </ul>

**Internship****Time : 260 hours (9week)**

Area	Duration (in week)	Objectives	Skills	Assignments	Assignments Methods
ICU, CCU, CARDI, AC OT.	2	<ul style="list-style-type: none"> <li>To gain proficiency in ICU nursing</li> <li>Develop advance skill in special procedures used in critical care unit</li> <li>Identify potential problems and provide accordingly</li> <li>skill in setting and handling ventilator</li> <li>Administer injection in infusion pump.</li> <li>Record accurately findings and medications.</li> <li>develop IPR with family members.</li> <li>Acquint with OT technique.</li> </ul>	<ul style="list-style-type: none"> <li>Assist in arterial puncture for blood gas analysis</li> <li>Perform ECG and interpret accordingly</li> <li>Conduct and analysis pulse oximetry</li> <li>Care with artificial airway</li> <li>Assist in endotracheal intubations</li> <li>Setting up ventilator</li> <li>Giving care in ventilator</li> <li>Assess neurological status.</li> <li>implement care to head injury spinal injury patients.</li> <li>Drug sheet.</li> <li>Observation of special procedure in OT.</li> </ul>	<ul style="list-style-type: none"> <li>Arterial puncture-5</li> <li>Taking out ECG stripe-5</li> <li>Tracheal suction-5</li> <li>For all assigned patients</li> <li>Oxygen administration by CPAP mask and use Ambu bag</li> <li>Assessment for all assigned patients.</li> <li>Nursing care in ventilator.</li> <li>Drug sheet.</li> </ul>	<ul style="list-style-type: none"> <li>Record book</li> <li>Checking with supervisor</li> </ul>
Neuro ICU, ITU, OT	2	<ul style="list-style-type: none"> <li>Develop skill in neurological assessment.</li> <li>Give care to the pt with</li> </ul>	<ul style="list-style-type: none"> <li>Assess neurological status.</li> <li>Implement care to head injury spinal injury patients.</li> </ul>	<ul style="list-style-type: none"> <li>Assessment for all assigned patients.</li> <li>Nursing care</li> </ul>	<ul style="list-style-type: none"> <li>Record book</li> <li>Observation checklist.</li> </ul>

		<p>head injury and spinal injury.</p> <ul style="list-style-type: none"> <li>• Care with chest surgery and cranial surgery.</li> </ul>	<ul style="list-style-type: none"> <li>• Drug sheet.</li> <li>• Pre and postoperative care with neuro surgery patients.</li> </ul>	<p>plan-2</p> <ul style="list-style-type: none"> <li>• Drug sheet</li> </ul>	
Burns and plastic Reconstructive surgery	2	<ul style="list-style-type: none"> <li>• Assess the severity of burns.</li> <li>• Administer rehydration therapy.</li> <li>• Observe reconstructive surgery.</li> </ul>	<ul style="list-style-type: none"> <li>• Nursing care</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
OT Laproscopic Orthopaedic Eye ENT	3	<ul style="list-style-type: none"> <li>• Identify instruments</li> <li>• Assist in OT set Up</li> <li>• Supervise sterilization.</li> <li>• Assist in OT table lay out.</li> <li>• Observe immediately after operation.</li> <li>• Supervise infection control</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Assist – 5 cases.</li> </ul>	<ul style="list-style-type: none"> <li>• Record book.</li> </ul>

In force from June – 2009

SY. B,Sc. (Nursing)

Placement – Second Year

90 Hours

Paper No.- 06 : Community Health Nursing-I

25+75=100 Marks

**Course description:** This course is designed for students to appreciate the principles of promotion and maintenance of health.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Methods	Assessment Method
I	2	<ul style="list-style-type: none"> <li>Describe concept and dimensions of health</li> </ul>	<b>Introduction</b> <ul style="list-style-type: none"> <li>Community health nursing.</li> <li>Definition, concept and dimensions of health</li> <li>Promotion of health</li> <li>Maintenance of health</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> </ul>
II	20	<ul style="list-style-type: none"> <li>Describe determinants of health</li> </ul>	<b>Determinants of health</b> <ul style="list-style-type: none"> <li>Eugenics</li> <li>Environment:               <ul style="list-style-type: none"> <li>Physical: Air, light, Ventilation, Water, Housing, Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate,</li> <li>Communication: infrastructure facilities and Linkages                   <ul style="list-style-type: none"> <li>Acts regulating the environment: National Pollution control board</li> <li>Bacterial &amp; viral: Agents, host carriers and immunity</li> <li>Arthropods and Rodents</li> </ul> </li> </ul> </li> <li>Food hygiene: Production, Purchase, Preservation, Consumption               <ul style="list-style-type: none"> <li>Acts regulating food hygiene-Prevention of food adulteration act, Drugs and cosmetic act</li> </ul> </li> <li>Socio-cultural               <ul style="list-style-type: none"> <li>Customs, taboos</li> <li>Marriage system</li> <li>Family structure</li> <li>Status of special groups;</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts, graphs, Models, films, slides</li> <li>Visits to water supply, sewage disposal, milk plants, slaughter house etc</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Methods	Assessment Method
			<ul style="list-style-type: none"> <li>• Females, Children, Elderly,</li> </ul> <p>challenged groups and Sick persons Life Style</p>		
			<ul style="list-style-type: none"> <li>• Hygiene</li> <li>• Physically activity <ul style="list-style-type: none"> <li>○ Recreation and sleep</li> <li>○ Sexual life</li> <li>○ Spiritual life philosophy</li> <li>○ Self reliance</li> <li>○ Dietary pattern</li> <li>○ Education</li> <li>○ Occupation</li> </ul> </li> <li>• Financial Management <ul style="list-style-type: none"> <li>○ Income]</li> <li>○ Budget</li> <li>○ Purchasing power</li> <li>○ Security</li> </ul> </li> </ul>		
III	10	<ul style="list-style-type: none"> <li>• Describe concept, scope, uses methods and approaches of epidemiology</li> </ul>	<p><b>Epidemiology</b></p> <ul style="list-style-type: none"> <li>• Definition, concept, aims, scope, uses and terminology used in epidemiology</li> <li>• Dynamics of disease transmission: epidemiological triad</li> <li>• Morbidity and mortality: measurements</li> <li>• Levels of prevention</li> <li>• Methods of epidemiology of <ul style="list-style-type: none"> <li>○ Descriptive</li> <li>○ Analytical: epidemic investigation</li> <li>○ Experimental</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using charts, graphs</li> <li>• Models, films, slides</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>
IV	25	<ul style="list-style-type: none"> <li>• Describe Epidemiology and nursing management of common communicable diseases</li> </ul>	<p><b>Epidemiology and nursing management of common Communicable diseases</b></p> <ul style="list-style-type: none"> <li>• Respiratory infections <ul style="list-style-type: none"> <li>○ Small pox</li> <li>○ Chicken pox</li> <li>○ Measles</li> <li>○ Influenza</li> <li>○ Rubella</li> <li>○ ARI's &amp; pneumonia</li> <li>○ Mumps</li> <li>○ Diphtheria</li> <li>○ Whooping cough</li> <li>○ Meningococcal meningitl's</li> <li>○ Tuberculosis</li> <li>○ SARS</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, Graphs</li> <li>• Models, films, slides</li> <li>• Seminar</li> <li>• Supervised field practice–health centers, clinics and homes</li> <li>• Group projects/health education</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Methods	Assessment Methods
			<ul style="list-style-type: none"> <li>• Intestinal Infections               <ul style="list-style-type: none"> <li>○ Poliomyelitis</li> <li>○ Viral hepatitis</li> <li>○ Cholera</li> <li>○ Diarrhoeal diseases</li> <li>○ Typhoid fever</li> <li>○ Food poisoning</li> <li>○ Amoebiasis</li> <li>○ Hook worm infection</li> <li>○ Ascariasis</li> <li>○ Dracunculiasis</li> </ul> </li> <li>• Arthropod infections               <ul style="list-style-type: none"> <li>○ Dengue</li> <li>○ Malaria</li> <li>○ Filariasis</li> </ul> </li> <li>• Zoonoses               <ul style="list-style-type: none"> <li>Viral                   <ul style="list-style-type: none"> <li>○ Rabies</li> <li>○ Yellow fever</li> <li>○ Japanese encephalitis</li> <li>○ Kyasnur forest disease</li> </ul> </li> <li>Bacterial                   <ul style="list-style-type: none"> <li>○ Brucellosis</li> <li>○ Plague</li> <li>○ Human salmonellosis</li> <li>○ Anthrax</li> <li>○ Leptospirosis</li> </ul> </li> <li>Rickettsial diseases                   <ul style="list-style-type: none"> <li>○ Rickettsial zoonoses</li> <li>○ Scrub typhus</li> <li>○ Murine typhus</li> <li>○ Tick typhus</li> <li>○ Q fever</li> </ul> </li> <li>Parasitic zoonoses                   <ul style="list-style-type: none"> <li>○ Taeniasis</li> <li>○ Hydatid disease</li> <li>○ Leishmaniasis</li> </ul> </li> <li>Surface infection                   <ul style="list-style-type: none"> <li>○ Trachoma</li> <li>○ Tetanus</li> <li>○ Leprosy</li> <li>○ STD &amp; RTI</li> <li>○ Yaws</li> <li>○ HIV/AIDS</li> </ul> </li> </ul> </li> <li>Any other</li> </ul>		
Unit	Time	Learning	Content	Teaching learning	Assessment

	(Hrs)	Objectives		Methods	Method
V	10	<ul style="list-style-type: none"> <li>describe epidemiology and nursing management of common non-communicable diseases</li> </ul>	<p>Epidemiology and nursing management of non-communicable diseases</p> <ul style="list-style-type: none"> <li>malnutrition: under nutrition, over nutrition, nutritional deficiencies</li> <li>anemia</li> <li>hypertension</li> <li>stroke</li> <li>Rheumatic. Heart disease</li> <li>Coronary heart disease</li> <li>Cancer</li> <li>Diabetes mellitus</li> <li>Blindness</li> <li>Accidents</li> <li>Mental illness</li> <li>Obesity</li> <li>Iodine deficiency</li> <li>Fluorosis</li> <li>epilepsy</li> </ul>	<ul style="list-style-type: none"> <li>lecture</li> <li>discussion</li> <li>explain using charts, graphs</li> <li>models, films, slides</li> <li>seminar</li> <li>supervised field practice-health centers, clinics and homes</li> <li>group projects/health education</li> </ul>	<ul style="list-style-type: none"> <li>essay type</li> <li>short answers</li> <li>objective type</li> </ul>
VI	6	<ul style="list-style-type: none"> <li>describe the concepts and scope of demography</li> <li>describe methods of data collection, analysis and interpretation of demographic data</li> </ul>	<p>Demography</p> <ul style="list-style-type: none"> <li>definition, concepts and scope</li> <li>methods of collection, analysis and interpretation of demographic data</li> <li>demographic rates and ratios</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>discussion</li> <li>Community identification survey</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of survey report</li> </ul>
VII	17	<ul style="list-style-type: none"> <li>Identify the impact of population explosion in India</li> <li>Describe method of population control.</li> </ul>	<p>Population and its control</p> <ul style="list-style-type: none"> <li>Population explosion and its impact on social, economic development of individual, society and country</li> <li>Population control: <ul style="list-style-type: none"> <li>Overall development: women empowerment, social, economic and educational development</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>discussion</li> <li>Population survey</li> <li>Counseling</li> <li>Demonstration</li> <li>Practice session</li> <li>Supervised field practice</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of survey report</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching learning Methods	Assessment Method
			<ul style="list-style-type: none"> <li>• Limiting family size:               <ul style="list-style-type: none"> <li>○ Promotion for small family norm</li> <li>○ Methods: spacing ( natural, biological, chemical, mechanical methods etc )</li> <li>○ Terminal : surgical methods</li> <li>○ Emergency contraception</li> </ul> </li> </ul>		

**Reference Book:**

1. Essential co. H.N : J.E.Park
2. Preventive & Social Medicine : J.E.Park
3. Environmental Health & Hygiene : Teluram
4. Communicable Diseases : Premlatta
5. Communicable Health Manual : TNAI

In force from June – 2009

SY. B,Sc. (Nursing)

Placement – Second Year

135 Hours

Paper No.- 06 : Community Health Nursing-I Practical

Area	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	2 wks urban and 2 wks rural	<ul style="list-style-type: none"> <li>• Build and maintain rapport</li> <li>• Identify demographic characteristics, health determinants and community health resources</li> <li>• Diagnose health needs of individual and families</li> <li>• Provide primary care in health centre</li> <li>• Counsel and educate individual, family and community</li> </ul>	<ul style="list-style-type: none"> <li>• Use techniques of interpersonal relationship</li> <li>• Identification on health determinants of community</li> <li>• History taking</li> <li>• Physical examination</li> <li>• Collect specimens-sputum, malaria smear</li> <li>• Perform simple lab test at centre-blood for hemoglobin and sugar, urine for albumin and sugar</li> <li>• Administer vaccines and medication to adults</li> <li>• Counsel and teach individual, family and community               <ul style="list-style-type: none"> <li>○ Nutrition</li> <li>○ Hygiene</li> <li>○ Self health monitoring</li> <li>○ Seeking health services</li> <li>○ Healthy life style</li> <li>○ Family welfare methods</li> <li>○ Health promotion</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• To work with 2 assigned families each in urban and rural</li> <li>• Family study – 1</li> <li>• Observation report of community - 1</li> <li>• Health talks 2 (1 in urban and rural)</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of family study, observation report and health talk</li> <li>• Completion of activity record.</li> </ul>

In force from June – 2009

SY. B,Sc. (Nursing)

Placement – Second Year

90 Hours

Paper No.- 07 : Communication and educational technology 25+75=100 Marks

**Course description:** This course is designed to help the students acquires 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 groups in clinical, Community health and educational settings.

unit	Time (hrs)	Learning Objectives	content	Teaching learning Activities	Assessment Method	
I	5	<ul style="list-style-type: none"> <li>Describe the communication process</li> <li>Identify techniques of effective communication</li> </ul>	<b>Review of communication process</b> <ul style="list-style-type: none"> <li>Process: elements and channels</li> <li>Facilitators</li> <li>Barriers and methods of overcoming</li> <li>Techniques</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Role plays</li> <li>Exercises with audio/video tapes</li> </ul>	<ul style="list-style-type: none"> <li>Respond to critical incidents</li> <li>Short answers</li> <li>Objective types</li> </ul>	
II	5	<ul style="list-style-type: none"> <li>Establish effective interpersonal relations with patients, families and co-workers</li> </ul>	<b>Inter personal relations</b> <ul style="list-style-type: none"> <li>Purpose and types</li> <li>Phases</li> <li>Barriers and method of overcoming</li> <li>Johari window</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Role plays</li> <li>Exercises with audio/video tapes</li> <li>Process recording</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>	
III	5	<ul style="list-style-type: none"> <li>Develop effective human relations in context of nursing</li> </ul>	<b>Human relations</b> <ul style="list-style-type: none"> <li>Understanding self</li> <li>Social behavior, motivation, social attitudes</li> <li>Individual and groups</li> <li>groups and individual human relations in context of nursing</li> <li>group dynamics</li> <li>team work</li> </ul>	<ul style="list-style-type: none"> <li>lecture discussion</li> <li>sociometry</li> <li>group games</li> <li>psychometric exercises followed by discussion</li> </ul>	<ul style="list-style-type: none"> <li>short answers</li> <li>objective types</li> <li>respond to test based on critical incidents</li> </ul>	
IV	10	5	<ul style="list-style-type: none"> <li>develop basic skills of counseling and guidance</li> </ul>	<b>Guidance and counseling</b> <ul style="list-style-type: none"> <li>definition</li> <li>purpose, scope and need</li> <li>basic principles</li> <li>organization of counseling services</li> <li>type of counseling approaches</li> <li>Role and preparation</li> </ul>	<ul style="list-style-type: none"> <li>lecture discussion</li> <li>role play on counseling in different situation followed by discussion</li> </ul>	<ul style="list-style-type: none"> <li>short answer</li> <li>objective type</li> <li>assess performance in role play situations</li> </ul>

				<p>of counselor</p> <ul style="list-style-type: none"> <li>• Issues for counseling in nursing: students and practitioners</li> <li>• Counseling process – steps &amp; techniques, tools of counselor</li> <li>• Managing disciplinary problems</li> </ul>		
V	5		<ul style="list-style-type: none"> <li>• describe the philosophy &amp; principles of education</li> <li>• explain the teaching learning process</li> </ul>	<p><b>Principles of education &amp; teaching learning process</b></p> <ul style="list-style-type: none"> <li>• education: meaning, philosophy, aims, functions &amp; principles</li> <li>• nature and characteristics of learning,</li> <li>• principles and maxims of teaching,</li> <li>• formulating objectives; general and specific</li> <li>• lesson planning</li> <li>• classroom management</li> </ul>	<ul style="list-style-type: none"> <li>• lecture discussion</li> <li>• prepare lesson plan</li> <li>• micro teaching</li> <li>• exercise on writing objectives</li> </ul>	<ul style="list-style-type: none"> <li>• short answer</li> <li>• objective type</li> <li>• assess lesson plans teaching sessions</li> </ul>
VI	10	10	<ul style="list-style-type: none"> <li>• demonstrate teaching skill using various teaching methods in clinical, classroom and community setting</li> </ul>	<p><b>Methods of teaching</b></p> <ul style="list-style-type: none"> <li>• lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project field trip, workshop, exhibition, computer assisted learning, micro teaching problem based learning, Self instructional module and simulation etc</li> <li>• clinical teaching methods: case method, nursing round &amp; reports, bedside clinic, conference (individual &amp; group) process recording</li> </ul>	<ul style="list-style-type: none"> <li>• lecture discussion</li> <li>• conduct 5. teaching sessions using different methods &amp; media</li> </ul>	<ul style="list-style-type: none"> <li>• short answer</li> <li>• objective type</li> <li>• assess teaching sessions</li> </ul>
VII	10	8	<ul style="list-style-type: none"> <li>• prepare and use different types of educational media effectively</li> </ul>	<p><b>Educational media</b></p> <ul style="list-style-type: none"> <li>• purposes &amp; types of A.V. Aids, principles and sources etc.</li> <li>• Graphic aids: chalk board, chart, graph, poster, flash cards, flannel graph, bulletin, cartoon</li> </ul>	<ul style="list-style-type: none"> <li>• lecture discussion</li> <li>• demonstration</li> <li>• prepare different teaching aids – projected &amp; non projected</li> </ul>	<ul style="list-style-type: none"> <li>• short answer</li> <li>• objective type</li> <li>• assess the teaching aids prepared</li> </ul>

				<ul style="list-style-type: none"> <li>• Three dimensional aids: objects, specimens, models, puppets</li> <li>• Printed aids: pamphlets &amp; leaflets</li> <li>• Projected aids: slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD</li> <li>• Audio aids: tape recorder, public address system</li> <li>• Computer</li> </ul>		
VIII	5	7	<ul style="list-style-type: none"> <li>• prepare different types of questions for assessment of knowledge, skills and attitudes</li> </ul>	<p><b>Assessment</b></p> <ul style="list-style-type: none"> <li>• Purpose &amp; scope of evaluation &amp; assessment</li> <li>• Criteria for selection of assessment techniques and methods</li> <li>• Assessment of knowledge: essay type questions, Short answer questions (SQA),. Multiple choice questions (MCQ)</li> <li>• Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE)</li> <li>• Assessment of Attitudes: Attitude scales</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Exercise on writing different types of assessment tools</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Assessment the strategies used in practice teaching sessions and exercise sessions</li> </ul>
IX	5		<ul style="list-style-type: none"> <li>• Teach individuals, groups and communities about health with their active participation</li> </ul>	<p><b>Information, education &amp; communication for health (IEC)</b></p> <ul style="list-style-type: none"> <li>• Health behavior &amp; health education</li> <li>• Planning for health education</li> <li>• Health education with individuals, groups &amp; communities</li> <li>• Communicating health messages</li> <li>• Methods &amp; media for communicating health messages</li> <li>• Using mass media</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Plan &amp; conduct health education sessions for individuals, group &amp; communities</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Assess the planning &amp; conduct of the educational session</li> </ul>

**Reference Book:**

1. Teaching & Learning in school & Nursing : Loretta & Heidgerken
2. Nursing Education : B.T. Baswantthapa
3. Education in Nursing : K.P.Neerja
4. Evaluation Measurement & Evaluation : Remmers & Gage
5. Evaluation in professional Education Nurse : Symonds