

BANSAL COLLEGE OF NURSING

MANAKSAR, HANUMANGARH

Anatomy

Subject :- *Anatomy*
Placement :- *B. Sc. Nursing 1st Year (Session 2018-19)*
Time allotted :- *60 hours*

COURSE OBJECTIVES:-

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

- Describe the organization of human body and co-ordination among various systems
- Describe the structure and functions of bones and joints.
- Describe the structure and functions of Muscles.
- Describe the structure and functions of nervous system.
- Explain the structure and functions of circulatory and sensory organs.
- Describe the structure and functions of circulatory and lymphatic system.
- Describe the structure and functions of respiratory system.
- Describe the structure and functions of digestive system.
- Describe the structure and functions of excretory system.
- Describe the structure and functions of endocrine systems.
- Describe the structure and functions of reproductive system.

UNIT	TOPIC	HOURS
I	<u>INTRODUCTION TO ANATOMICAL TERMS ORGANIZATION OF THE HUMAN BODY:-</u>	<u>5</u>
	❖ Human cell structure. ❖ Tissues:- Definition, types, characteristics, classification, function and formation.	1 3
UNIT	TOPIC	HOURS
	❖ Membranes and glands classification and structure.	1
II	THE SKELETAL SYSTEM:-	<u>6</u>
	❖ Bones:- Types, structure, axial and appendicular skeleton.	2
	❖ Bone formation & growth.	
	❖ Description of bones.	1
	❖ Joints:- Classification and structure.	1 2

III	THE MUSCULAR SYSTEM:- ❖ Types and structure of muscles. ❖ Muscle groups.	<u>7</u> 5 2
IV	THE NERVOUS SYSTEM:- ❖ Structure of neurologia and neurons ❖ Somatic Nervous:- System structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves. ❖ Autonomic nervous system:- sympathetic, parasympathetic (structure, location)	<u>6</u> 1 3 2
V	THE SENSORY ORGANS:- ❖ Structure of skin, eye, ear, nose, tongue (Auditory and olfactory apparatus)	<u>6</u> 6
VI	CIRCULATORY AND LYMPHATIC SYSTEM:- ❖ The circulatory system :-Blood (microscopic structure), structure of heart, structure of blood vessels, arterial and venous system. ❖ Circulation (systemic, pulmonary, coronary)	<u>7</u> 3 1

BIOCHEMISTRY

Subject

:- Biochemistry

Placement

:- B. Sc. Nursing 1st Year(Session 2018-19)

Time allotted

:-30 hours

COURSE OBJECTIVES:-

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

- Describe the structure composition and functions of cell.
- Differentiate between prokaryote and eukaryote cell .
- Describe the structure and functions of cell membrane.
- Explain the metabolism of carbohydrates.
- Explain the metabolism of lipids.
- Explain the metabolism of amino acids and proteins.
- Describe types, composition and utilization of vitamins and minerals.
- Describe Immunochemistry.

UNIT	TOPIC	HOURS
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I	INTRODUCTION:- <ul style="list-style-type: none"> ❖ Definition and significance in nursing. ❖ Review of structure, composition and functions of cell ❖ Prokaryote and eukaryote cell organization ❖ Microscopy 	<u>3</u> 1/2 1 1 1/2
II	STRUCTURE AND FUNCTIONS OF CELL MEMBRANE:- <ul style="list-style-type: none"> ❖ Fluid mosaic model tight junction, cytoskeleton ❖ Transport mechanism diffusion, osmosis, filtration, active channel, sodium pump. ❖ Acid base balance maintenance and diagnostic tests. ❖ PH buffers 	<u>6</u> 1 2 2 1
III	COMPOSITION AND METABOLISM OF CARBOHIDRATES:- <ul style="list-style-type: none"> ❖ Types, structure, composition and use. ❖ Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides ❖ Metabolism <ul style="list-style-type: none"> • Pathways of glucose • Glycolysis • Gluconeogenesis, Cori's cycle, Tricarboxylic acid cycle • Glycogenolysis • Pentose phosphate pathways (Hexose mono phosphate) • Regulation of blood glucose Level. 	<u>6</u> 2 1 3
IV	COMPOSITION AND METABOLISM OF LIPIDS:- <ul style="list-style-type: none"> ❖ Types, structure, composition and uses of fatty acids • Nomenclature, Roles and prostaglandins • Metabolism of fatty acid • Break down, synthesis • Metabolisms of triacylglycerols • Cholesterol metabolism • Biosynthesis and its regulation • Bile salts & bilirubin • Vitamin D • Steroid hormones • Lipoproteins and their functions • VLDLS-IDLS, LDLS and HDLS • Transport of lipids • Atherosclerosis 	<u>6</u> 1 1 1 1 1 1 1

V	<p>COMPOSITION AND METABOLISM OF AMINO ACIDS AND PROTEINS:-</p> <ul style="list-style-type: none"> ❖ Types, structure, composition and use of Amino acids and proteins. 1 ❖ Metabolism of Amino acids and proteins 2 <ul style="list-style-type: none"> • Protein synthesis, targeting and glycosylation • Chromatography, electrophoresis, sequencing ❖ Metabolism of Nitrogen 2 <ul style="list-style-type: none"> • Fixation and assimilation • Urea cycle • Hemes and chlorophylls ❖ Enzymes and co-enzymes 1 <ul style="list-style-type: none"> • Classification, properties, kinetics and inhibition • Control 	<u>6</u>
VI	<p>COMPOSITION OF VITAMINS and MINERALS:-</p> <ul style="list-style-type: none"> ❖ Vitamins and minerals:- 2 <ul style="list-style-type: none"> • Structure, Classification properties, absorption, storage and transportation & normal concentration. 	<u>2</u>
VII	<p>IMMUNOCHEMISTRY:-</p> <ul style="list-style-type: none"> ❖ Immune response 1 ❖ Structure and classification of immunoglobins ❖ Mechanism of antibody production ❖ Antigens:- HLA typing 1 ❖ Free radical & Antioxidants ❖ Specialised protein:-Collagen, elastin, keratin, myosin, lens protein. ❖ Electrophoretic determination of immunoglobins. ❖ ELISA etc. 1 	<u>3</u>

ENGLISH

Subject :- *English*
Placement :- *B. Sc. Nursing 1st Year (Session 2018-19)*
Time allotted :- *60 hrs*

COURSE OBJECTIVES:-

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

- Speak and write grammatically correct English.
- Practice further skills in reading.
- Practice further skills in comprehension.
- Establish good command on English language and maintain fluency.

UNIT	TOPIC	HOURS
I	<u>REMEDIAL STUDY OF GRAMMAR :-</u>	<u>10</u>
	<ul style="list-style-type: none"> ❖ Review of grammar :- Vocabulary and use of tense, voice, narration, determiners, modals and prepositions. ❖ Prepare task – oriented seminars, symposium and panel discussion. 	8
		2
II	<u>READING COMPREHENSIONS:-</u>	<u>30</u>
	<ul style="list-style-type: none"> ❖ The ability to comprehend selected passage and express meaning in one's own words. 	10
	<ul style="list-style-type: none"> ❖ Preparing for long Essay/ study programme/ story writing/ presenting case studies/ Histories. 	12
		5
		3
III	<u>THE STUDY OF VARIOUS FORMS OF COMPOSITION:-</u>	<u>10</u>
	<ul style="list-style-type: none"> ❖ Letter writing 	2
	<ul style="list-style-type: none"> ❖ Note taking 	1
	<ul style="list-style-type: none"> ❖ Précis Writing 	2
	<ul style="list-style-type: none"> ❖ Nursing notes, anecdotal records 	1
	<ul style="list-style-type: none"> ❖ Diary Writing 	1
	<ul style="list-style-type: none"> ❖ Nurses report on health problems 	1
	<ul style="list-style-type: none"> ❖ Summary related to nursing 	1
	<ul style="list-style-type: none"> ❖ Resume / CV 	1
IV	<u>VERBAL COMMUNICATION:-</u>	<u>6</u>
	<ul style="list-style-type: none"> ❖ Oral report 	2
	<ul style="list-style-type: none"> ❖ Summarization of discussion 	2
	<ul style="list-style-type: none"> ❖ Debate 	1
	<ul style="list-style-type: none"> ❖ Telephonic conversation 	1
V	<u>LISTENING COMPREHENSION:-</u>	<u>4</u>
	<ul style="list-style-type: none"> ❖ Listening Comprehension:- Films, Media, audio, video, speeches etc. 	2
		2

MICROBIOLOGY

Subject

:- Microbiology

Placement

:- B.Sc.Nursing 1st Year (Session 2018-19)

Time allotted

:- 60 hrs.(Theory 45 hrs & Lab-15 hrs)

COURSE OBJECTIVES:-

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

- Appreciate the historical background and scope of microbiology in prevention, diagnosis and treatment of infectious diseases.
- Classify common micro organisms causing diseases.

- Apply knowledge of microbiology in diagnosis and treatment of infection.
- Demonstrate skill in identifying and handling common micro organisms.
- Demonstrate knowledge and skill related to infection control measures in hospital and community settings.

UNIT	TOPIC	HOURS
I	<p><u>INTRODUCTION :-</u></p> <ul style="list-style-type: none"> ❖ Importance and relevance to nursing. ❖ Historical perspective. ❖ Concepts and terminology. ❖ Principles of microbiology. 	<u>5</u>
II	<p><u>GENERAL CHARACTERISTICS OF MICROBES :-</u></p> <ul style="list-style-type: none"> ❖ Structure and classification of microbes. ❖ Morphological types ❖ Size and form of bacteria ❖ Mobility ❖ Colonization ❖ Growth and nutrition of microbes <ul style="list-style-type: none"> • Temperature • Moisture • Blood and body fluids ❖ Laboratory methods for identification of micro organisms ❖ Staining techniques, gram staining, hanging drop preparation. ❖ Culture, Various medias. 	<u>10</u>
III	<p><u>INFECTION CONTROL:-</u></p> <ul style="list-style-type: none"> ❖ Infection:-Sources, portals of entry and exit, transmission ❖ Asepsis ❖ Disinfection : Types and methods ❖ Sterilization:-Types and methods ❖ Chemotherapy and antibiotics ❖ Standard safety measures ❖ Biomedical waste management ❖ Hospital acquired infection ❖ Hospital infection control programme 	<u>10</u>
IV	<u>PATHOGENIC ORGANISMS:-</u>	<u>12</u>

	<ul style="list-style-type: none"> ❖ Micro Organisms:- <ul style="list-style-type: none"> • Cocci-gram positive & gram negative. • Bacilli-gram positive and gram negative • Spirochete • Rickettsiae • Chlamydiae • Viruses • Fungi- Superficial and deep mycoses • Parasites • Rodents and vectors. <p>(Characteristics, sources, portal of entry, transmission of infection, identification of disease, producing micro organisms, collection , handling and transportation of various specimens.)</p>	
V	<p>IMMUNITY:-</p> <ul style="list-style-type: none"> ❖ Immunity:- Types, classification ❖ Antigen and antibody reaction ❖ Hypersensitivity ❖ Skin test:- <ul style="list-style-type: none"> • Serological tests • Immuno prophylaxis ❖ Vaccines and sera types and classification, storage and handling, cold chain. ❖ Immunization for various diseases ❖ Immunization schedule 	8

NURSING FOUNDATION – PRACTICAL

Subject :- *Nursing Foundation- practical*

Placement :- *B.Sc. Nursing 1st Year*

Time allotted :- *650 hours (450 clinical + 200 lab)*

Sl.No.	Areas	Skills	Hours
1.	Practice in Lab	<ul style="list-style-type: none"> ❖ Hospital Admission & Discharge ❖ Discharge / Transfer out 	4 hrs
2.	Practice in Lab	<ul style="list-style-type: none"> ❖ Perform Assessment:- <ul style="list-style-type: none"> • History taking, diagnosis, expected outcome and selection of interventions ❖ Nursing care plan ❖ Give care as further plan 	4 hrs 4 hrs 2 hrs
3.	Practice in Lab	<ul style="list-style-type: none"> ❖ Communication:- <ul style="list-style-type: none"> • Verbal and non verbal 	4 hrs
4.	Practice in Lab	<ul style="list-style-type: none"> ❖ Prepare a plan for patient teaching session 	4 hr
5.	Practice in Lab	<ul style="list-style-type: none"> ❖ Write patient report:- <ul style="list-style-type: none"> • Change of shift reports • Transfer reports, incident reports etc. • Present patient report 	4 hrs

6.	Practice in Lab	❖ Vital Signs • Temperature, pulse, respiration and blood pressure.	6 hrs
7.	Practice in Lab	❖ Health Assessment • Health history taking • Perform assessment • Methods of physical examination • Identification of system wise deviation	3 hrs 3 hrs 8 hrs
8.	Practice in Lab	❖ Prepare patient's unit • Types of beds • Pain assessment and provision for comfort	6 hrs 4 hrs
9.	Practice in Lab	❖ Use comfort devises ❖ Hygiene care • Nail & feet Care • Back Care, Eye care • Oral hygiene care • Baths and care of pressure points • Hair wash and pediculosis treatment	4 hrs 4 hrs 4+2 hrs 6 hrs 8 hrs 6 hrs
10	In clinical area	❖ Feeding, Oral, Nasogastric and parenteral feeding .	6 hrs
11	In clinical area	❖ Assisting patient in urinary elimination	6 hrs
12	In clinical area	❖ Bladder irrigation ❖ Assisting bowel elimination	6 hrs
13	In clinical area	❖ Bowel wash	2 hrs
14	In Lab	❖ Body alignment and mobility	6 hrs
15	In Lab	❖ Oxygen administration	6 hrs
16	In clinical area	❖ Suctioning Oropharyngeal, nasopharyngeal	2 hrs
17	In clinical area	❖ Chest physiotherapy and postural drainage	4 hrs
18	In clinical area	❖ Care of chest drainage	4 hrs
19	In Lab	❖ CPR- Basic life support	8 hrs
20	In clinical area	❖ Intravenous therapy	8 hrs
21	In clinical area	❖ Blood and blood component therapy	4 hrs
22	In clinical area	❖ Collection of specimens urine, sputum, faeces, vomit us and blood	4 hrs
23	In Lab	❖ Perform lab test:- Urine:- Sugar, albumin, acetone Blood:- Sugar (with strip/ gluco-meter)	4 hrs
24	In Lab	❖ Hot and cold application	6 hrs
25	In clinical area	❖ Communicating and assisting with self care of visually and hearing impaired patients.	3 hrs

26	In clinical area	❖ Communicating and assisting with self care of mentally challenged	3 hrs
27	In clinical area	❖ Recreational and diversional therapies	2 hrs
28	In clinical area	❖ Caring of patient with alteration in sensorium	4 hrs
29	In clinical area	❖ Infection control	6 hrs
30	In clinical area	❖ Decontamination of equipment and unit:- • Surgical asepsis • Care of articles	4 hrs
31	In clinical area	❖ Pre and post operative care	4 hrs
32	In Lab	❖ Administration of medications	4 hrs
33	In Lab	❖ Care of dying patients	4 hrs
34.		❖ Care of patient unit	2 hrs
35		❖ Disinfection of the unit	2hrs.
36.		❖ Care of hospital articles	4 hrs
37		❖ First aid	
38		❖ Care of patient with pyrexia	4 hrs.
39		❖ Care of patient with dyspnea	4 hrs.
40		❖ Care of patient with unconsciousness	4 hrs.
41		❖ Care of patient with paralysis	4 hrs.
42		❖ Care of patient with plaster cast	4 hrs
43		❖ Care of patient with traction	4 hrs

NURSING FOUNDATIONS

Subject :- *Nursing Foundations*
Placement :- *B. Sc. Nursing 1st Year (Session 2018-19)*
Time allotted :- *Theory 265 hrs.& Practical 650 hrs.*
(Lab-200 hrs, Clinical-450 hrs)

COURSE OBJECTIVES:-

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

- Describe the concept of health, illness and immunity and health care services.
- Describe the concept of nursing and its basic principles.
- Identify high standards in nursing profession.
- Explain the history of nursing and various nursing theories.
- Assess the comfort needs of the patient.
- Provide various therapeutic positions to the patient.
- Apply skills in giving patient centred evidenced based care.
- Demonstrates observational skills and practice communication skills.
- Administer medication through various routes.
- Demonstrate various diagnostic and therapeutic procedures.
- Maintain records and reports accurately.

- Identify signs of approaching death and care for dying and dead.

UNIT	TOPIC	HOURS
I	<p><u>INTRODUCTION :-</u></p> <ul style="list-style-type: none"> ❖ Concept of Health: Health illness continuum ❖ Factor influencing health, causes and risk factors for developing illness. ❖ Body defences:- Immunity and immunization. ❖ Illness and illness behaviour, impact of illness on patient and family. ❖ Health care services:- Promotion and prevention, primary care, diagnosis, treatment, rehabilitation and continuing care. ❖ Health care Teams ❖ Types of Health care agencies, hospitals, types, organisation and functions. <p>Health promotion and levels of disease:- Prevention, primary health care and its delivery, role of nurse.</p>	<p><u>10</u></p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>2</p>
II	<p><u>NURSING AS A PROFESSION :-</u></p> <ul style="list-style-type: none"> ❖ Definition and characteristics of a profession. ❖ Nursing definition, concepts, philosophy, objectives. ❖ Characteristics, nature and scope of nursing practice. ❖ Functions and qualities of a Nurse. ❖ Categories of a nursing personnel. ❖ Nursing as a profession. ❖ History of nursing in India. ❖ Values:- Definition, types, value clarification and values in professional nursing : caring and advocacy. ❖ Ethics:- Definition and Ethical principles. ❖ Code of ethics and professional conduct for nurses. 	<p><u>16</u></p> <p>1</p> <p>2</p> <p>2</p> <p>2</p> <p>1</p> <p>2</p> <p>1</p> <p>2</p> <p>3</p> <p>1</p> <p>1</p>
III	<p><u>HOSPITAL ADMISSION AND DISCHARGE:-</u></p> <ul style="list-style-type: none"> ❖ Admission to the hospital unit and its preparation:- Admission bed, admission procedure, special considerations Medico:- legal issues, role and responsibilities of nurse. ❖ Discharge from the hospital:- Types: Planned discharge, LAMA and abscond, referrals and transfers. Discharge planning 	<p><u>4</u></p>

	<p>Discharge procedure Special considerations Medico- Legal issues Role and responsibilities of a Nurse. Care of the unit after discharge.</p>	
IV	<p>COMMUNICATION AND NURSE PATIENT RELATIONSHIP:-</p> <ul style="list-style-type: none"> ❖ Communication: - Levels, elements, types, modes, process, factor influencing communication. ❖ Methods of effective communication: - <ul style="list-style-type: none"> • Attending skills • Rapport building skills • Empathy skills. ❖ Barriers to effective communication. ❖ Helping relationship (NPR): Dimensions of helping relationships, phases of a helping relationship. ❖ Communicating effectively with the patient, families, team members and vulnerable groups. 	<p><u>10</u></p> <p>2</p> <p>1</p> <p>1</p> <p>2</p>
V	<p>THE NURSING PROCESS :-</p> <ul style="list-style-type: none"> ❖ Critical Thinking and Nursing Judgement:- <ul style="list-style-type: none"> • Critical thinking and learning ❖ Competencies, attitudes for critical thinking, Levels of critical thinking in nursing. ❖ Nursing process Overview :- Application in Practice. <ul style="list-style-type: none"> • Nursing process format according to INC. • Assessment • Nursing Diagnosis • Planning • Implementation • Evaluation • Documentation and reporting. 	<p><u>15</u></p> <p>1</p> <p>2</p> <p>2</p> <p>1</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>1</p>
VI	<p>DOCUMENTATION AND REPORTING:-</p> <ul style="list-style-type: none"> ❖ Documentation :- Purposes of recording and reporting. ❖ Types of records:- Ward records, medical nursing records and common record keeping forms, computerized records. ❖ Guidelines for reporting and methods of recording. ❖ Reporting:- change of shift reports, transfer reports and incident reports, minimizing legal liability through effective record keeping. 	<p><u>4</u></p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>

VII	VITAL SIGNS:- <ul style="list-style-type: none"> ❖ Guidelines for taking vital signs ❖ Body temperature ❖ Pulse ❖ Respiration ❖ Blood pressure ❖ Recording of vital signs 	<u>15</u> 2 3 3 3 3 1
VIII	HEALTH ASSESSMENT:- <ul style="list-style-type: none"> ❖ Purposes. ❖ Process of health assessment <ul style="list-style-type: none"> • Health history • Physical examination ❖ Methods Inspection, Palpation, percussion, auscultation, olfaction. ❖ Preparation for examination patient and unit. ❖ General assessment ❖ Assessment of each body system. ❖ Recording of health assessment. 	<u>30</u> 2 5 6 3 5 7 2
IX	MACHINERY, EQUIPMENT AND LINEN:- <ul style="list-style-type: none"> ❖ Types:- Disposables and reusables. Linen, rubber goods, glass ware, mental, plastics furniture, machinery. ❖ Introduction <ul style="list-style-type: none"> • Indent • Maintenance • Inventory 	<u>5</u> 2 1 1 1
X	MEETING NEEDS OF PATIENTS:- <ul style="list-style-type: none"> ❖ Basic needs (activities of daily needs) ❖ Provide safe and clean environment <ul style="list-style-type: none"> • Hygiene • Comfort ❖ Physiological needs :- <ul style="list-style-type: none"> • Sleep and rest • Nutrition • Urinary elimination • Bowel elimination • Mobility and immobility • Oxygenation • Fluid, electrolyte and acid base balance. ❖ Psychosocial Needs:- <ul style="list-style-type: none"> • Concepts of cultural diversity • Assessment of psychosocial needs. • Nursing intervention for psychosocial needs. 	<u>60</u> 4 6 1 1 2 5 5 10 7 8 6

	<ul style="list-style-type: none"> • Recreational and diversional therapies. 	5
XI	<p>INFECTION CONTROL IN CLINICAL SETTINGS:-</p> <ul style="list-style-type: none"> ❖ Infection Control:- <ul style="list-style-type: none"> • Nature of infection • Chain of infection transmission • Defenses against infection natural & acquired. • Hospital acquired infection ❖ Concept of asepsis:- Medical and surgical asepsis ❖ Isolation precautions (barrier nursing) ❖ Biomedical waste management. 	<u>20</u> 5 5 5 5
XII	<p>ADMINISTRATION OF MEDICATION:-</p> <ul style="list-style-type: none"> ❖ General principles and considerations ❖ Oral drugs administration ❖ Parenteral medication ❖ Topical administration of medication ❖ Inhalation 	<u>40</u> 10 2 11 10 7
XIII	<p>MEETING NEEDS OF PREOPERATIVE PATIENTS:-</p> <ul style="list-style-type: none"> ❖ Definition and concept ❖ Preoperative phase ❖ Intra operative phase ❖ Post operative phase ❖ Wound healing ❖ Surgical asepsis ❖ Care of wounds 	<u>10</u> 1 2 1 2 1 1 2
XIV	<p>MEETING SPECIAL NEEDS OF THE PATIENTS:-</p> <ul style="list-style-type: none"> ❖ Care of patients having alteration in:- <ul style="list-style-type: none"> • Temperature • Sensorium • Urinary elimination • Function of sensory organs • Assessment of self care ability • Communication methods and • Special considerations • Mobility • Communication methods • Respiration • Comfort ❖ Treatment related to GI system, nasogastric suction, gastric irritation, gastric analysis. 	<u>15</u> 11 4

XV	CASE OF TERMINALLY ILL PATIENT:- ❖ Concepts of loss, grief and signs of clinical death ❖ Care of dying patient:- • Special considerations • Medico legal issues • Care of dead body • Autopsy and embalming	<u>5</u> 1 1 1 1 1
XVI	PROFESSIONAL NURSING CONCEPTS AND PRACTICES:- ❖ Conceptual and theoretical models of nursing practice. ❖ Introduction to theories in nursing :- Peplau's, Henderson's, Drem's, Neuman's, Roger's and Roy's ❖ Linking theories with nursing process.	<u>6</u> 2 2 2

NUTRITION

Subject :**-Nutrition**

Placement :**-B.Sc.1st Year (Session 2018-19)**

Time allotted :-**60 hrs.(Theory 40hrs & Practical 20hrs.)**

COURSE OBJECTIVES:-

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

- Describe the relationship between nutrition and health .
- Describe the classification, functions, sources and recommended daily allowances of carbohydrates.
- Describe the classification, functions, sources and recommended daily allowances of fats.
- Describe the classification, functions, sources and recommended daily allowances of proteins.
- Describe the daily calorie requirement for different categories of people.
- Describe the classification, functions, sources and daily allowances of vitamins.
- Describe the classification, functions, sources and recommended daily allowances of minerals.
- Describe the classification, functions, sources and requirements of water and electrolyte.
- Describe the cookery rules and preservation of nutrients.
- Describe and plan balanced diet for different categories of people.
- Describe various national programme related to nutrition and nurses role in assessment of nutritional status & nutritional education.

UNIT	CONTENT	HOURS
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<p><i>I</i></p>	<p><i>INTRODUCTION:-</i></p> <ul style="list-style-type: none"> ❖ Nutrition health and concepts ❖ Role of nutrition in maintaining health. ❖ Nutritional problems in India. ❖ National nutritional policy. ❖ Factor affecting food and nutrition:- Socio economic, cultural, tradition, production system of distribution, life style & food habits. ❖ Role of food and its medicinal value ❖ Classification of foods ❖ Food standards ❖ Elements of nutrition:- Macro & Micro Calorie, BMR 	<p><u>4</u></p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1</p> <p>1</p>
<p><i>II</i></p>	<p><i>CARBOHYDRATES:-</i></p> <ul style="list-style-type: none"> ❖ Classification ❖ Caloric value ❖ Recommended daily allowances (RDA) ❖ Dietary sources ❖ Functions ❖ Digestion, absorption and storage, metabolism. ❖ Malnutrition:- Deficiencies and over consumption 	<p><u>2</u></p> <p>1</p> <p>1</p>
<p><i>III</i></p>	<p><i>FATS:-</i></p> <ul style="list-style-type: none"> ❖ Classification ❖ Calorie value ❖ RAD ❖ Dietary sources ❖ Functions ❖ Digestion, absorption and storage, metabolism ❖ Malnutrition:- Deficiencies and over consumption 	<p><u>2</u></p> <p>1</p> <p>1</p>
<p><i>IV</i></p>	<p><i>PROTEINS:-</i></p> <ul style="list-style-type: none"> ❖ Classification ❖ Calorie value ❖ RAD ❖ Dietary sources ❖ Functions ❖ Digestion, absorption and storage, metabolism Malnutrition:- Deficiencies and over consumption 	<p><u>2</u></p> <p>1</p> <p>1</p> <p>1</p>

<p>V</p>	<p>ENERGY:-</p> <ul style="list-style-type: none"> ❖ Unit of energy / Kcal. ❖ Energy requirement of different categories of people. ❖ Measurements of energy. ❖ Body mass index and basic metabolism ❖ Basal metabolic rate (BMR):- determination and factors affecting. 	<p><u>3</u></p> <p>1</p> <p>1</p> <p>1</p>
<p>VI</p>	<p>VITAMINS:-</p> <ul style="list-style-type: none"> ❖ Classification ❖ RDA ❖ Dietary sources ❖ Functions ❖ Synthesis, absorption and storage, metabolism, excretion ❖ Deficiencies ❖ Hypervitaminosis 	<p><u>4</u></p> <p>2</p> <p>1</p> <p>1</p>
<p>VII</p>	<p>MINERALS:-</p> <ul style="list-style-type: none"> ❖ Classification ❖ RDA ❖ Dietary sources ❖ Functions ❖ Synthesis, absorption and storage, metabolism, excretion ❖ Deficiencies ❖ Over consumption and toxicity. 	<p><u>4</u></p> <p>1</p> <p>1</p> <p>1</p>
<p>VIII</p>	<p>WATER AND ELECTROLYTES:-</p> <ul style="list-style-type: none"> ❖ Water:-Daily requirements regulation of water metabolism, distribution of body water ❖ Electrolytes:-Types, sources, composition of body fluids ❖ Maintenance of fluid and electrolyte balance ❖ Over hydration, dehydration and water intoxication. ❖ Electrolyte imbalances 	<p><u>3</u></p> <p>½</p> <p>½</p> <p>½</p> <p>½</p> <p>1</p>

<i>IX</i>	<p>COOKER RULES AND PRESERVATION OF NUTRIENTS:-</p> <ul style="list-style-type: none"> ❖ Principles, methods of cooking and serving ❖ Preservation of nutrients ❖ Safe food handling toxicity ❖ Storage of food ❖ Food preservation, food additives and its principles ❖ Prevention of food adulteration act. ❖ Food standards ❖ Preparation of simple beverages and different types of food 	<p><u>5</u></p> <p>½</p> <p>1</p> <p>½</p> <p>1</p> <p>1</p> <p>1</p>	<u>15</u>
<i>X</i>	<p><i>BALANCED DIET:-</i></p> <ul style="list-style-type: none"> ❖ Elements ❖ Food groups ❖ Recommended daily allowance ❖ Nutritive value of food ❖ Calculation of balanced diet for different categories of people ❖ Planning menu ❖ Budgeting of food ❖ Introduction to therapeutic diets:- Naturopathy diet. 	<p><u>7</u></p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<u>5</u>
<i>XI</i>	<p>ROLES OF NURSE IN NUTRITIONAL PROGRAMMES:-</p> <ul style="list-style-type: none"> ❖ National programmes related to nutrition <ul style="list-style-type: none"> • Vitamin A deficiency programme. • National iodine deficiency disorders programme. • Mid day meal programme. • Integrated child development scheme ❖ <i>National and international agencies working towards food/ nutrition:-NIPCCD,CARE, FAO, NIN, CFTRI (central food technology and research institute etc.)</i> ❖ Assessment of nutritional status <p><i>Nutrition education and nurse's role.</i></p>	<p><u>4</u></p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	

PHYSIOLOGY

Subject :-Physiology
Placement :-B.Sc.1st Year Session 2018-19

Time allotted :-60 hrs.

COURSE OBJECTIVES:-

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

- Describe the physiology of cell, tissues, membranes and glands.
- Describe the bone formation and growth and movements of skeleton system.
- Describe the muscle movements and tone and demonstrate muscle contraction and tone.
- Describe the physiology of nerve stimulates, reflexes, brain, cranial and spinal nerves.
- Describe the physiology of blood and functions of hearts.
- Describe the physiology and mechanisms of respiration.
- Describe the physiology of digestive system.
- Describe the physiology of excretory system.
- Describe the physiology of sensory organs.
- Describe the physiology of endocrine glands.
- Describe the physiology of male and female reproductive system.
- Describe the physiology of lymphatic and immunological system.

UNIT	CONTENT	HOURS
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<p>I</p>	<p><i>CELL PHYSIOLOGY:-</i></p> <ul style="list-style-type: none"> ❖ Tissue:- Formation, repair ❖ Membranes and glands:- Functions 	<p><u>4</u></p> <p>2</p> <p>2</p>
<p>II</p>	<p><i>SKELETAL SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Bone formation and growth. ❖ Bones:- Functions and movements of bones of axial and appendicular skeleton, bone healing. ❖ Joints and joint movement. 	<p><u>4</u></p> <p>1</p> <p>2</p> <p>1</p>
<p>III</p>	<p><i>MUSCULAR SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Muscle movements, muscle tone, physiology of muscle contraction, levels and maintenance of posture. 	<p><u>4</u></p> <p>4</p>
<p>IV</p>	<p><i>NERVOUS SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Functions of Neuralgia and neurons ❖ Stimulus and nerve impulse definitions and mechanism. ❖ Functions of brain, spinal cord, cranial and spinal nerves. ❖ Cerebrospinal fluid composition, circulation and function. ❖ Reflex arc, reflex action and reflexes ❖ Autonomic functions ❖ Pain:- Somatic, visceral and referred. ❖ Autonomic learning and biofeedback 	<p><u>7</u></p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>2</p>
<p>V</p>	<p><i>CIRCULATORY SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Blood formation, composition, blood groups, blood coagulation. ❖ Hemoglobin:- Structure, synthesis and break down, variation of molecules, estimation. ❖ Functions of heart, conduction, cardiac cycle, circulation (circulation, control, factors influencing BP and pulse) 	<p><u>7</u></p> <p>3</p> <p>1</p>

VI	<p><i>THE RESPIRATORY SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Functions of respiratory organs ❖ Physiology of respiration ❖ Pulmonary ventilation, volume. ❖ Mechanics of respiration ❖ Gaseous exchange in lungs ❖ Carriage of oxygen and carbon dioxide. ❖ Exchange of gases in tissues. ❖ Regulation of respiration. 	<u>6</u> 1 1 2 1 1
VII	<p><i>THE DIGESTIVE SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Functions of organs of digestive fact:- <ul style="list-style-type: none"> • Movements of alignmentary tract, digestion in mouth, stomach, small intestines . • Absorption of food (function of liver, gall bladder and pancreas . ❖ Metabolism of carbohydrates, protein and fat. 	<u>6</u> 3 1 2
VIII	<p><i>THE EXCRETORY SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Functions of Kidney, ureters, urinary bladder and urethra ❖ Composition of urine ❖ Mechanism of urine formation ❖ Functions of skin ❖ Regulation of body temperature ❖ Fluid and electrolyte balance. 	<u>6</u> 2 2 2
IX	<p><i>THE SENSORY ORGANS:-</i></p> <ul style="list-style-type: none"> ❖ Functions of skin, eye, ear, nose and tongue 	<u>4</u>
X	<p><i>THE ENDOCRINE SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Functions of pituitary, pineal body, thymus, thyroid , pancreas, suprarenal, placenta and ovaries and tests. 	<u>5</u>
XI	<p><i>THE REPRODUCTIVE SYSTEM:-</i></p> <ul style="list-style-type: none"> ❖ Reproduction of cells DNA, mitosis, meosis, spermatogenesis, dogenesis ❖ Functions of female reproductive organs, functions of breast, female sexual cycle. ❖ Introduction to embryology. ❖ Functions of male reproductive organs, male function in reproduction , male fertility system. 	<u>5</u> 2 1 2

XII	LYMPHATIC & IMMUNOLOGICAL SYSTEM:- ❖ Circulation of lymph. ❖ Immunity <ul style="list-style-type: none"> • Formation of T cells & B cells • Types of immune response. • Antigens • Cytokines • Antibodies 	<u>2</u> 1 1
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PSYCHOLOGY

Subject :- Psychology
Placement :- B. Sc. Nursing 1st Year (Session 2018-19)
Time allotted :- 60 hrs.

COURSE OBJECTIVES:-

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

- Apply psychological principles while performing nursing care
- Distinguish the psychological process during health and sickness
- Analyse her own behaviour patterns.
- Tabulate the psychological needs of the patient for planning nursing care.
- Provide psychological support to the clients.

UNIT	TOPIC	HOURS
I	<u>INTRODUCTION :-</u> ❖ History and origin of science of psychology. ❖ Definitions and scope of psychology. ❖ Relevance to nursing ❖ Methods of psychology.	<u>2</u>
II	<u>BIOLOGY OF BEHAVIOUR :-</u> ❖ Body mind relationship modulation process in health and illness. ❖ Genetics and behaviour heredity and environment ❖ Brain and behaviour:- Nervous system, Nervous and synapse. ❖ Association cortex, RT and CT Hemispheres ❖ Psychology of sensations ❖ Muscular and glandular controls of behaviour ❖ Nature of behaviour of an organism / integrated responses.	<u>4</u>
III	<u>COGNITIVE PROCESSES:-</u> ❖ Attention: Types, determinants, duration and degree, alterations. ❖ Perception:-Meaning, principles, factors, affecting, errors ❖ Learning: Nature, types, learner and learning, laws and theories, process, transfer, study habits. ❖ Memory: Meaning, types, nature factors influencing, development . Theories and methods of memorizing and forgetting.	<u>20</u>

	<ul style="list-style-type: none"> ❖ Thinking: Types and levels, stages of development, relationship with language and communication. ❖ Intelligence: Meaning, classification, uses, theories. ❖ Aptitude: Concept, types, individual differences and variability ❖ Psychometric assessments of cognitive processes ❖ Applications 	
IV	<p><u>MOTIVATION AND EMOTIONAL PROCESSES:-</u></p> <ul style="list-style-type: none"> ❖ Motivation : Meaning, concepts, types, theories, motives and behaviour, conflicts and frustration, conflict resolution. ❖ Emotions and stress. • Emotion: Definition, components, changes in emotions, theories, emotional adjustments, emotions in health and illness. • Stress: Stressors, cycle, effect, adaptation and coping ❖ Attitude: Meaning, nature, development, factor affecting 	<u>8</u>
V	<p><u>PERSONALITY:-</u></p> <ul style="list-style-type: none"> ❖ Definitions, topography, types, theories ❖ Psychometric assessments of personality 	<u>7</u>
VI	<p><u>DEVELOPMENTAL PSYCHOLOGY:-</u></p> <ul style="list-style-type: none"> ❖ Psychology of people at different ages from infancy to old age. ❖ Psychology of vulnerable individuals challenged, women, sick etc. ❖ Psychology of groups. 	<u>7</u>
VII	<p><u>MENTAL HYGIENE AND MENTAL HEALTH:-</u></p> <ul style="list-style-type: none"> ❖ Concepts of mental hygiene and mental health. ❖ Characteristics of mentally healthy person. ❖ Warning signs of poor mental health ❖ Promotive and preventive mental health – strategies and services ❖ Ego defence mechanisms and implications ❖ Personal and social adjustments ❖ Guidance and counselling ❖ Role of nurse 	<u>8</u>
VIII	<p><u>PSYCHOLOGICAL ASSESSMENT AND TESTS:-</u></p> <p>Types, development, characteristics, principles, uses, interpretations and role of nurse in psychological assessment.</p>	<u>3</u>

BANSAL COLLEGE OF NURSING, HANUMANGARH

MEDICAL SURGICAL NURSING –I

Placement :-B. Sc (N)2nd Year

Time Allotment :- Theory 210 Hours, Practical 720 Hours

Objectives:-

On completion of this course the student will be able to :-

1. Describe the scope, trends & principles of medical & surgical nursing.
2. Exhibit knowledge of etiology, symptoms, treatment & preventive measures of Medical & Surgical conditions.
3. Explain the pathophysiology changes deviations in specific medical surgical disorders/ conditions.
4. Use the nursing process as a frame work in providing care to clients in term of nursing assessment, nursing diagnosis, client care plan & evaluation.
5. Identify the nursing implications pertaining to various assessment & therapeutic qualitative nursing care based on identified needs of the clients (By using different nursing care approaches).
6. Demonstrate knowledge of the selected procedures, techniques, equipments/instruments & drugs while participating in clinical practice.
7. Apply the principles of basic sciences, dietetics, sociology, psychology, communication, health education, reporting & documentation in health care setting.
8. Appreciate different roles of nurses, physical set ups & facilities to meet common & specific health needs of clients in out patient areas & in patient areas.

Unit	Content	Hours
I	Introduction	15 hrs
	<ul style="list-style-type: none">• Introduction to medical surgical nursing-Evolution & trends of medical & surgical nursing	1 hr
	<ul style="list-style-type: none">• Review of concepts, causations, classification-International classifications Diseases (Icd-10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness	3 hrs
	<ul style="list-style-type: none">• Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.	
	<ul style="list-style-type: none">• Role of nurse, patient & family in care of adult patient.• Role & responsibilities of a nurse in medical surgical settings:<ul style="list-style-type: none">- Outpatient department- In patient unit- Intensive care unit- Home & community settings	1 hr
	<ul style="list-style-type: none">• Introduction to medical surgical asepsis<ul style="list-style-type: none">- Inflammation & Infection- Immunity- Wound healing	1 hr 1 hr
<ul style="list-style-type: none">• Care of Surgical Patient<ul style="list-style-type: none">- Pre-operative- Intra operative		

	<ul style="list-style-type: none">- Post operative	1 hr 2 hrs 1 hr 1 hr 3 hrs
II	Common signs & symptoms & management <ul style="list-style-type: none">• Fluid & electrolyte imbalance.• Vomiting• Dyspnea & cough, respiratory obstruction.• Fever• Shock• Unconsciousness, Syncope• Pain• Incontinence• Edema• Age related problems- geriatric	15 hrs 2 hrs 1 hr 1 hr 1 hr 2 hrs 1 hr 1 hr 1 hr 1 hr 4 hrs
III	Nursing management of patients (adults including elderly) with respiratory problems <ul style="list-style-type: none">• Review of anatomy & physiology of respiratory system.• Nursing Assessment- History & Physical assessment• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing including elderly with-<ul style="list-style-type: none">- Upper Respiratory tract infections- Bronchitis- Asthma- Empyema- Atelectasis- Chronic Obstructive Pulmonary Diseases (COPD)- Bronchiectasis- Pneumonia- Pulmonary tuberculosis- Lung abscess- Pleural effusion- Cysts & Tumors- Chest injuries- Respiratory arrest & insufficiency- Pulmonary embolism <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of respiratory disorders</p>	20 hrs 1 hr 2 hrs 1 hr 1 hr 1 hr 2 hrs 2 hrs 1 hr 2 hrs 2 hrs

		5 hrs
IV	<p>Nursing management of patient (adults including elderly) with disorders of digestive system</p> <ul style="list-style-type: none"> • Review of anatomy & physiology of digestive system. • Nursing Assessment- History & physical assessment. • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management • Disorders of <ul style="list-style-type: none"> - Oral cavity- lips, gums, tongue, salivary glands & teeth - Oesophagus- inflammation, stricture, obstruction, bleeding & tumors - Stomach & deudenum- hiatus hernia, gastritis, peptic & duodenal ulcer, bleeding, tumors, pyloric stenosis - Small intestinal disorders- inflammation & infection, enteritis, mal absorption, obstruction, tumor & perforation. - Large intestinal disorders- Colitis, inflammation & infection, obstruction & tumor & lump. - Hernias - Appendix-inflammation, mass, abscess, rupture - Anal & Rectum; hemorrhoids, fissures, Fistulas - Peritonitis/acute abdomen - Pancreas, inflammation, cyst, .abscess & tumors - Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumors - Gall Bladder; inflammation, obstruction, stones & tumors <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of digestive system</p>	<p>30 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>3 hrs</p> <p>3 hrs</p> <p>3 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>2 hrs</p> <p>5 hrs</p>

V	<p>Nursing management of patient (adults including elderly) with blood & cardio vascular problems</p> <ul style="list-style-type: none"> • Review of atomy & physiology of blood & cardio vascular system • Nursing Assessment –History & 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 - Artherosclerosis - Reynard’s & Peripheral vascular disorders <p>Heart</p> <ul style="list-style-type: none"> • Coronary artery diseases Ischemic Heart Diseases Coronary arthrosclerosis Angina pectoris Myocardial infarction • Valvular disorders of the heart <ul style="list-style-type: none"> - Congenital & acquired - Rheumatic Heart diseases • Endocarditic, Pericarditis Myocarditis • Cardio Myopathies • Cardiac dysrrhythmias, Heart Block • Congestive cardiac failure <ul style="list-style-type: none"> - Cor-pulmonale, pulmonary edema, cardiogenic shock, cardio tamponade • Cardiac emergencies & arrest • Cardio Pulmonary Resuscitation (CPR) • Blood <ul style="list-style-type: none"> - Anemia’s - Polycythemia - Bleeding disorders; clotting factor defects & platelets defects - Thalassemia - Leukemia’s - Leucopenia & agranulocytosis - Lymphomas - Myelomas • Special therapies <ul style="list-style-type: none"> - Blood transfusion, safety checks, procedures & requirements, management of adverse transfusion reaction, records for blood transfusion. - Management & counseling of blood donors, phlebotomy procedures, & post donation management. Blood bank functioning & hospital transfusion committee. Bio-safety & waste management in relation to blood transfusion. - Role of a nurse in Organ donation, retrieval & banking <p>Alternative therapies</p> <p>Nursing procedures</p>	<p>30 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>4 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>2 hrs</p> <p>1 hr</p>
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VII	<p>Nursing management of disorders of male (adults including elderly) reproductive system</p> <ul style="list-style-type: none"> • Review of anatomy & physiology of male • Nursing Assessment-History & Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of male reproductive system • Congenital malformations; cryptorchidism • Hypospadiasis • Infections • Testis & adjacent structures • Penis • Prostrate: inflammation, infection, hypertrophy, tumor • Sexual Dysfunction • Infertility • Contraception • Breast; gynecomastia, tumor • Climacteric changes <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system</p>	<p>5 hrs</p> <p>½ hr</p> <p>½ hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p>
VIII	<p>Nursing management of patient (adults including elderly) with disorders of endocrine system</p> <ul style="list-style-type: none"> • Review of anatomy & physiology of endocrine system • Nursing Assessment-History & Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of- <ul style="list-style-type: none"> - Disorders of Thyroid & Parathyroid - Diabetes mellitus - Diabetes Insipidus - Adrenal tumor - Pituitary disorders. <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of endocrine system</p>	<p>10 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>4 hrs</p>
IX	<p>Nursing management of patient (adults including elderly) with disorders of</p>	<p>10 hrs</p>

	<p>Integumentary system</p> <ul style="list-style-type: none"> • Review of anatomy & physiology of Skin & its appendages • Nursing Assessment-History & Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of skin & its appendages- <ul style="list-style-type: none"> - Lesions & abrasions - Infection & infestations; Dermatitis - Dermatomes; infectious & Non infectious “inflammatory dermatomes” - Acne vulgaris - Allergies & Eczema - Psoriasis - Malignant melanoma - Alopecia <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of Integumentary system</p>	<p>1 hr</p> <p>1 hr</p> <p>2 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>2 hrs</p>
X	<p>Nursing management of patient (adults including elderly) with musculoskeletal problems</p> <ul style="list-style-type: none"> • Review of anatomy & physiology of musculoskeletal system • Nursing Assessment-History & 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 & Joints- inflammation, infection, trauma - Bones- inflammation, infection, dislocation, fracture, tumor & trauma - Osteomalacia & 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 <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of musculoskeletal system</p>	<p>15 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p>

		1 hr
		5 hrs
XI	<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 & Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of- • Immunodeficiency disorder • Primary immuno deficiency • Phagocytic dysfunction • B-cell & T-cell deficiencies • Secondary immuno deficiencies • Acquired immunodeficiency syndrome (AIDS) • Incidence of HIV & AIDS • Epidemiology • Transmission- Prevention of Transmission • Standard Safety precautions • Role of Nurse; Counseling • Health education & home care consideration • National AIDS Control Program- NACO, various national & international agencies • Infection control program • Rehabilitation <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of Immunological system</p>	<p>10 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p>
XII	<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 & Physical assessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention & dietics. Control & eradication of common 	<p>20 hrs</p> <p>1 hr</p> <p>1 hr</p>

	<p>Communicable Diseases-</p> <ul style="list-style-type: none"> - Tuberculosis - Diarrhoeal 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 Hospitals <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of Communicable diseases</p>	<p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p>
XIII	<p>Pre operative nursing:</p> <ul style="list-style-type: none"> • Organization & Physical set up of the Operation Theatre (OT): <ul style="list-style-type: none"> - Classifications - O.T.Design - Staffing - Members of the OT team - Duties & responsibilities of nurse in O.T. - Principles of Health & operating room attire. - Instruments - Sutures & suture materials - Equipments - O.T. tables & sets for common surgical procedures - Positions & draping for common surgical procedures - Scrubbing procedures 	<p>25 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p>

	<ul style="list-style-type: none"> - Gowning & gloving - Preparation of O.T.Sets - 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 & sterilization - Biomedical waste management - Prevention of accidents & hazards in O.T • Anesthesia <ul style="list-style-type: none"> - Types - Methods of administration - Effects & Stages - Equipments - Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects 	<p>2 hrs</p> <p>2 hrs</p> <p>1 hr</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>3 hrs</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p>
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COMMUNITY HEALTH NURSING - I

Placement :-B. Sc (N) 2nd Year

Time Allotment :- Theory 90 + 135 Practical hours

Unit	Contents	Hours
I	Introduction <ul style="list-style-type: none"> • Community health nursing • Definitions, concept & dimensions of health • Promotion of health • Maintenance of health 	<p>2 hrs</p> <p>½ hr</p> <p>½ hr</p> <p>½ hr</p> <p>½ hr</p>
II	Determinants of health <ul style="list-style-type: none"> • Eugenie's • 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 & Linkages - Acts regulating the environment: National pollution control board - Bacterial & viral: Agents, host carriers & immunity 	<p>20 hrs</p> <p>1 hr</p> <p>3 hrs</p>

	<ul style="list-style-type: none"> - Arthropods & Rodents • Food hygiene: Production, Prevention, Purchase, Preparation, Consumption • Acts regulating food hygiene- Prevention of food adulteration act, Drugs & cosmetic act • Socio-culture <ul style="list-style-type: none"> - Customs, taboos - Marriage system - Family structure - Status of special groups; females, Children, Elderly, challenged groups & Sick persons • Life Style • Hygiene • Physical activity <ul style="list-style-type: none"> - Recreation & 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 	<p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>2 hrs</p> <p>3 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p> <p>2 hrs</p>
III	<p>Epidemiology</p> <ul style="list-style-type: none"> • Definition, concept, aims, scope, uses & terminology used in epidemiology • Dynamic of disease transmission: epidemiology triad • Morbidity & mortality: measurements • Levels of prevention • Methods of epidemiology of <ul style="list-style-type: none"> Descriptive Analytical: Epidemic investigation Experimental 	<p>10 hrs</p> <p>2 hrs</p> <p>3 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>3 hrs</p>
IV	<p>Epidemiology & 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 	<p>25 hrs</p> <p>7 hrs</p>

	<ul style="list-style-type: none"> - Whooping cough - Meningococcal meningitis - Tuberculosis - SARS • Intestinal Infections <ul style="list-style-type: none"> - Poliomyelitis - Viral Hepatitis - Cholera - Diarrhoeal diseases - Typhoid fever - Food poisoning - Amoebiasis - Hook worm infection - Ascariasis - Dracunculiasis • Arthropod infections <ul style="list-style-type: none"> - Dengue - Malaria - Filariasis • Zoonoses • Viral <ul style="list-style-type: none"> - Rabies - Yellow fever - Japanese encephalitis - Kyasnur Forest Disease • Bacterial <ul style="list-style-type: none"> - Brucellosis - Plague - Human Salmonellosis - Anthrax - Leptospirosis • Rickettsial diseases <ul style="list-style-type: none"> - Rickettsial Zoonoses - Scrub typhus - Murine typhus - Tick typhus - Q fever • Parasitic zoonoses <ul style="list-style-type: none"> - Taeniasis - Hydatid disease - Leishmaniasis • Surface infection <ul style="list-style-type: none"> - Trachoma - Tetanus - Leprosy - STD & RTI - Yaws - HIV/ AIDS <p>Any other</p>	<p>9 hrs</p> <p>2 hrs</p> <p>2 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>3 hrs</p>
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V	Epidemiology & Nursing management of Non-communicable diseases <ul style="list-style-type: none"> • Malnutrition: under nutritions, over nutritions, nutritional deficiencies • Anaemia • Hypertension • Stroke • Rheumatic Heart Disease • Coronary Heart Disease • Cancer diabetes mellitus • Blindness • Accidents • Mental illness • Obesity • Iodine Deficiency • Fluorosis • Epilepsy 	10 hrs 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr
VI	Demography <ul style="list-style-type: none"> • Definitions, concept & scope • Methods of collection, analysis & interpretation of demographic data • Demographic rates & ratios 	6 hrs 1 hr 2 hrs 2hrs 1 hr
VII	Population & its control <ul style="list-style-type: none"> • Population explosion & its impact on social, economic development of individual, society & country • Population control: <ul style="list-style-type: none"> - Overall development: Women empowerment, social, economic & 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 	17 hrs 6 hrs 4 hrs 7 hrs

COMMUNICATION & EDUCATIONAL TECHNOLOGY

Placement :-B.Sc (N) 2nd Year

Time Allotment :- 90 hrs (Theory 60 hours +30 hours Practical)

Unit	Contents	Hours
I	Review of Communication Process <ul style="list-style-type: none"> • Process; elements & channel • Facilitators • Barriers & methods of overcoming • Techniques 	5 hrs 1 hr 1 hr 2 hrs 1 hr
II	Interpersonal relations <ul style="list-style-type: none"> • Purpose & types • Phases • Barriers & methods of overcoming • Johari Window 	5 hrs 1 hr 1 hr 2 hrs 1 hr
III	Human relations <ul style="list-style-type: none"> • Understanding self • Social behavior, motivation, social attitudes • Individual & groups • Groups & individual • Human relations in context of nursing • Group dynamics • Team work 	5 hrs 1 hr 1 hr 1 hr 1 hr 1 hr
IV	Guidance & counseling <ul style="list-style-type: none"> • Definitions • Purpose, scope & need • Basic principles • Organization of counseling service • Types of counseling approaches • Role & preparation of counselor • Issues for counseling in nursing: students & practitioners • Managing disciplinary problems • Management of crisis & referral • Practical 	10 + 5 hrs 1 hr 1 hr 1 hr 1 hr 1 hr 2 hr 2 hrs 1 hr 5 hrs

V	<p>Principles of education & teaching learning process</p> <ul style="list-style-type: none"> • Education: meaning, philosophy, aims, functions & principles • Nature & characteristics of learning • Principles & maxims of teaching • Formulating objectives; general & specific • Lesson planning • Classroom management 	<p>5 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p>
VI	<p>Methods of teaching</p> <ul style="list-style-type: none"> • Lecture, demonstration, group discussion, seminars, symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted, micro teaching problem based learning, Self instructional module & stimulation etc. • Clinical teaching methods: case methods, nursing round & reports, bedside clinic, conference (individual & group) process recording • Practical 	<p>10 + 10 hrs</p> <p>5 hrs</p> <p>5 hrs</p> <p>10 hrs</p>
VII	<p>Educational media</p> <ul style="list-style-type: none"> • Purposes & types of A.V. Aids, principles & sources etc. • Graphic aids: chalk board, chart, graph, flash cards, flannel graph, bulletin, cartoon • Three dimensions 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 • Practical 	<p>7 + 8 hrs</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>1 hr</p> <p>2 hrs</p>

		1 hr
		8 hrs
VIII	Assessment <ul style="list-style-type: none"> • Purpose & scope of evaluation & assessment • Criteria for selection of assessment techniques & methods • Assessment of knowledge: essay type questions, Short answer questions (SAQ) , Multiple choice question (MCQ) • Assessment of skills: observations checklist, practical exam, Viva, Objective structured clinical examination (OSCE) • Assessment of attitudes: Attitude scales • Practical 	8 + 7 hrs 1 hr 2 hrs 2 hrs 2 hrs 1 hr 7 hrs
IX	Information, education & communication for health (IEC) <ul style="list-style-type: none"> • Health behavior & health education • Planning for health education • Health education with individuals, groups & communities • Communicating health messages • Methods & media for communicating health message • Using mass media 	5 hrs 1 hr 1 hr 1 hr 1 hr

PHARMACOLOGY

Placement :-B.Sc (N) 2nd Year

Time Allotment :- Theory 45 hours

Unit	Contents	Hours
I	Introduction to Pharmacology <ul style="list-style-type: none">• Definitions• Sources• Terminology used• Types, Classifications• Pharmacodynamics: Actions, therapeutic,• Adverse, toxie• Pharmacodynamics: absorption, distribution, metabolism, interaction, excretion• Review: Routes & principles of administration of drugs• Indian pharmacopoeia: Legal issues• Rational use of drugs• Principles of therapeutics	3
II	Chemotherapy <ul style="list-style-type: none">• Pharmacology of commonly used;<ul style="list-style-type: none">- 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 <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse</p>	6

III	<p>Pharmacology of commonly used antiseptics, disinfectants & insecticides</p> <ul style="list-style-type: none"> • Antiseptics: Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse • Disinfectants • Insecticides 	2
IV	<p>Drugs acting on G.I. system</p> <ul style="list-style-type: none"> • Pharmacology of commonly used – <ul style="list-style-type: none"> - Anti emetics - Emetics - Purgatives - Antacids - Cholinergic - Anti cholinergic - Fluid & electrolyte therapy - Anti diarrhoeals - Histamines <p>Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse</p>	2
V	<p>Drugs used on Respiratory system</p> <ul style="list-style-type: none"> • Pharmacology of commonly used- <ul style="list-style-type: none"> - Anti asthmatics - Mucolytics - Decongestants - Expectorants - Anti tussives - Bronchodilators - Broncho constrictors - Anti histamines <p>Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse</p>	2
VI	<p>Drugs used on Urinary Systems</p> <ul style="list-style-type: none"> • Pharmacology for commonly used- <ul style="list-style-type: none"> - Diuretics & anti diuretics - Urinary antiseptics - Cholinergic & anti cholinergics - Acidifiers & alkalanizers <p>Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse</p>	2
VII	<p>Miscellaneous</p> <ul style="list-style-type: none"> • Drugs used in de-addiction • Drugs used in CPR & emergency • Vitamins & minerals • Immunosuppressant • Antidotes 	4

	<ul style="list-style-type: none"> • Anti venom • Vaccines & sera 	
VIII	<p>Drugs used on skin & mucous membranes</p> <ul style="list-style-type: none"> • Topical applications for skin, eye, ear, nose & buccal cavity Anti pyretic <p>Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse</p>	1
IX	<p>Drugs acting on Nervous system</p> <ul style="list-style-type: none"> • Basic & applied pharmacology of commonly used : • Analgesics & anesthetics <p>Analgesics</p> <ol style="list-style-type: none"> Non steroidal anti inflammatory (NSAID) drugs <ul style="list-style-type: none"> - Antipyretics - Hypnotics & Sedatives <p>Opioids Non-opioids Tranquilizers General & local anesthetics Gas: oxygen, nitrous oxide, carbon-dioxide</p> <p>Cholinergic & anti-cholinergics Muscle relaxants Major tranquilizers Anti-psychotics Anticonvulsants Adrenergic Mood stabilizers Acetylcholine Stimulants</p> <p>Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse</p>	8
X	<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 <p>Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse</p>	5
XI	<p>Drugs used for hormonal disorders & supplements, contraception & medical termination of pregnancy</p> <ul style="list-style-type: none"> • Insulins & oral hypoglycemics • Thyroid supplements & suppressants • Steroids, Anabolic • Uterine stimulants & relaxants • Oral contraceptives 	4

	<ul style="list-style-type: none"> - Infective endocarditis, athrosclerosis - Ischemia, infraction & aneurysm • Gastro Intestinal Tract <ul style="list-style-type: none"> - Peptic ulcer, typhoid - Carcinoma of GI tract-buccal, Esophageal - Gastric & intestinal • Liver, Gall bladder & pancreas <ul style="list-style-type: none"> - Hepatitis, Chronic liver abscess, cirrhosis - Tumors of liver, gall bladder & pancreas, - Cholecystitis • Kidneys & Urinary tract <ul style="list-style-type: none"> - Glomerulonephritis, pyelonephritis - Calculi, renal failure, renal carcinoma Penis & prostrate • Female genital system <ul style="list-style-type: none"> - Fibroids - Carcinoma cervix & Endometrium - Vesicular mole, choriocarcinoma - Ectopic gestation - Ovarian cyst & tumors - Cancer Breast • Central Nervous system <ul style="list-style-type: none"> - Hydrocephalus, meningitis, encephalitis - Vascular disorders- thrombosis, embolism - Stroke, paraplegia, quadriplegia, quadriplegia - Tumors, meningiomas- gliomas - Metastatic tumor • Skeleton system <ul style="list-style-type: none"> - bone healing, osteoporosis, osteomyelitis - Arthritis & tumors 	<p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>1</p> <p>2</p> <p>2</p>
III	Clinical pathology <ul style="list-style-type: none"> • Various blood & bone marrow tests in assessment & monitoring of 	<u>5</u>

	<p>disease conditions</p> <ul style="list-style-type: none"> - Hemoglobin - RBC, White cell & platelet counts - Bleeding time, clotting time & prothrombine time - Blood grouping & cross matching - Blood chemistry - Blood culture - Serological & immunological tests - Other blood tests - Examination of bone marrow - Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference & normal values 	<p>1</p> <p>1</p> <p>1</p> <p>2</p>
IV	<p>Examination of body cavity fluids, transudates & exudates</p> <ul style="list-style-type: none"> • The laboratories tests used in CSF analysis • Examination of other body cavity fluids, transudates & exudates- sputum, wound discharge etc. • Analysis of gastric & duodenal contents • Analysis of semen-sperm count, motility & morphology & their importance in fertility • Methods of collection of CSF & other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference & normal values 	<p><u>5</u></p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
V	<p>Urine & faeces</p> <ul style="list-style-type: none"> • Urine <ul style="list-style-type: none"> - Physical characteristics - Analysis - Culture & sensitivity • Faeces <ul style="list-style-type: none"> - Characteitics - Stool examinations: occult blood, ova, parasite & cyst, reducing substance etc. • Methods of collection for various tests, inference & normal values 	<p><u>2</u></p> <p>1</p> <p>1</p>

Section- B Genetics

I	<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 & meiosis • Characteristics & structure of genes • Chromosomes- sex determination • Chromosomal aberrations Patterns of inheritance <ul style="list-style-type: none"> - Mendelian theory of inheritance - Multiple alleles & blood groups - Sex linked inheritance - Errors in transmission (Mutation) 	<p><u>3</u></p> <p>1</p> <p>2</p>
II	<p>Maternal, prenatal & genetic influences on development of defects & disease</p> <ul style="list-style-type: none"> • Conditions affecting the mother: genetic & infections • Consanguinity atopy • Prenatal nutrition & food allergies. • Maternal Age • Maternal drug therapy • Prenatal testing & diagnosis • Effect of radiations, drugs & chemicals • Infertility • Spontaneous abortion • Neural Tube Defects & the role of folic acid in lowering the risks • Down syndrome (Trisomy 21) 	<p><u>3</u></p> <p>1</p> <p>1</p> <p>1</p>
III	<p>Genetic testing in the neonates & children</p> <ul style="list-style-type: none"> • Screening for <ul style="list-style-type: none"> - Congenital abnormalities - Developmental delay - Dysmorphism - 	<p>2</p>
IV	<p>Genetic conditions of adolescents & adults</p> <ul style="list-style-type: none"> • Cancer genetics- Familial Cancer • Inborn errors of metabolism • Blood group alleles & haematological disorder • Genetic haemochromatosis • Huntington's disease • Mental illness 	<p><u>2</u></p> <p>1</p> <p>1</p>
V	<p>Services related to Genetics</p> <ul style="list-style-type: none"> • Genetic testing 	<p><u>5</u></p> <p>1</p>

	<ul style="list-style-type: none"> • Human genome project • Gene therapy • The eugenics movement • Genetic Counseling 	1
	Legal & Ethical issues	1
	Role of nurse	2

SOCIOLOGY

Placement :-B. Sc (N)2nd Year

Time Allotment :- Theory 60 Hours

Objectives:-

Describe sociology Concepts that an applicable to Nursing.

1. Determine role of sociology in Nursing as related to social Institution in India.
2. Develop positive attitude toward, individual, family and community.
3. Describe the role of the nurse in dealing with social problems.

Unit	Topics	Hours
1.	Introduction <ul style="list-style-type: none"> • Definition of sociology • Nature and Scope of the discipline • Importance and application of sociology in Nursing 	1
2.	Individual & Society <ul style="list-style-type: none"> • Society and Community • Nature of Society • Difference between society and community • Process of socialisation and individualization • Personal disorganization 	3
	Culture <ul style="list-style-type: none"> • Nature of culture • Evolution of culture 	1
3.	<ul style="list-style-type: none"> • Diversity and uniformity of culture • Culture and socialization • Tran cultural society • Influence health and disease 	3
		1
		1

4.	<p>Social groups and Processes</p> <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 Processes • Co-operation, Competition, Conflict • Accommodation, assimilation & Isolation <p>Population</p> <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 	1 4 1 1
5.	<p>Family and Marriage</p> <ul style="list-style-type: none"> • Family-Function • 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. 	6 1 1 2 1
6.	<p>Social stratification</p> <ul style="list-style-type: none"> • Meaning & types of social stratification • The India 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. 	1 5 2 1
7.	<p>Types of Communities in India (Rural, Urban and Regional)</p> <ul style="list-style-type: none"> • Features of village community & characteristics of Indian villages-Panchayat system, social dynamics • Community Development project & planning • Changes in Indian Rural Life • Availability of health facilities in rural and its impact on health and health practices • Urban-Community-features • The growth of cities: Urbanisation and its impact on health and health practices • Major Urban problems- Urban Slums • Region: Problems and impact on Health. 	1 1 7 1

8.	Social Change	1
	• Nature and process of Social Change	1
	• Factors influencing social change: cultural change, Cultural lag	1
	• Introduction to Theories of social change : Linear, Cyclical, Marxian, Functional	1
	Role of nurse-change agents	1
	Social organization and social system	1
	• Social organization: elements, types	1
	• Democratic and authoritarian modes of participation	1
	• Voluntary associations	1
	• Social system: Definition and Types of social system Role and Status as structural elements of social system	6
	• Inter-relationship of institutions	1
9.	Social Control	1
	• Nature and process of social control	1
	• Political, Legal, Religious, Educational, Economic Industrial and Technological systems, Norms & Values-Folkways & Mores Customs, Laws and fashion	1
	Role of nurse	1
	Social Problems	1
	• Social disorganization	1
	• Control & planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS	1
	• Social welfare programmes in India	4
	Role of nurse	

CHILD HEALTH NURSING

Placement : -B.Sc (N) 3rd Year

Time Allotment : - Theory 90 Hours, Practical 270 hrs

Objectives:-

On completion of this course the student will be able to:-

- Describe the general patterns of growth and development at various stages.
- Recognize the adjustment problems of children at various stages of development and assist in solving them.
- Identify the nursing needs of children in health and sickness according to their age and plan nursing interventions.
- Develop positive attitude towards sick children and their families and provide therapeutic environment.
- Assist parents to develop skill in restoring child health and help in personality development.

UNIT	TOPIC	HRS
1	<p><u>INTRODUCTION MODERN CONCEPTS OF CHILD CARE:-</u></p> <ul style="list-style-type: none"> ❖ Internationally accepted rights of the child. ❖ National policy and legislations in relation to child health and welfare. ❖ National programmes related to child health and welfare. ❖ Agencies related to welfare services to the children. ❖ Changing trends in hospital care, preventive, promotive and curative aspects of child health. ❖ Child morbidity and mortality rates. ❖ Differences between an adult and child. ❖ Hospital environment for a sick child. ❖ Impact of hospitalization on the child & family. ❖ Grief and bereavement. ❖ The role of a child health nurse in caring for a hospitalized child. ❖ Principles of pre and post operative care of infants and children. ❖ Child health nursing procedures. 	<p><u>18</u></p> <p>½</p> <p>½</p> <p>1</p> <p>1</p> <p>½</p> <p>½</p> <p>½</p> <p>½</p> <p>1</p> <p>½</p> <p>½</p> <p>1</p> <p>10</p>
II	<p><u>THE HEALTHY CHILD:-</u></p> <ul style="list-style-type: none"> ❖ Principles of growth and development. ❖ Factors affecting growth & development. ❖ Growth and development from birth to adolescence. ❖ The needs of normal children through the stages of developmental and parental guidance. ❖ Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary / artificial feeding and weaning. ❖ Baby friendly hospital concept. ❖ Accidents: causes and prevention. ❖ Value of play and selection of play material. ❖ Preventive immunization, immunization programme and cold chain. ❖ Preventive paediatrics. ❖ Care of under five & under five clinics/ well baby clinics. 	<p><u>13</u></p> <p>½</p> <p>½</p> <p>3</p> <p>3</p> <p>1</p> <p>½</p> <p>½</p> <p>1</p> <p>1</p> <p>1</p>
UNIT	TOPIC	HRS

III	<u>NURSINGCARE OF S NEONATE:-</u>	<u>7</u>	
	❖ Nursing care of a normal newborn/ essential newborn care.	1	
	❖ Neonatal resuscitation.	2	
	❖ Nursing management of a low birth weight baby.	1	
	❖ Kangaroo mother care.	1	
	❖ Nursing management of common neonatal disorders.	1/2	
	❖ Organization of neonatal unit.	2	
	❖ Identification & nursing management of common congenital malformations.	1/2	
	Congenital Disorders:- -Central Nervous system Defects: Cranial deformities,Craniofacial abnormalities,Spina Bifida,Hydrocephalus.		
	-Congenital Heart Diseases:- Ventricular Septal Defects(ASD),Patent Ductus Arteriosus(PDA),Co-arctation of aorta, Transposition of great Blood vessels,Tetralogy of fallot,Mitral or aortic regurgitation.		
-G/I System:- Tracheo-esophageal fistula,Esophageal atresia ,Congenital pyloric stenosis,Meconium ilius,Malrotation of gut,Congenital megacolon(Hirschsprung disease),Anorectal malformation,Exomphalos,Umbilical Hernia,Congenital intestinal obstruction,Gastroschisis etc.			
-Respiratory System:- Trachioesophageal fistula.			
-Genitourinary System:- Renal agenesis,Congenital hydrocephalus,Congenital polycystic kidney,Hypospedias,Epispedias,Congenital phimosis,Congenital Hydrocele,Undescended testis,Congenita inguina hernia,Ambiguous genitalia.			
-Musculoskeletal system:- Club foot,Congenital dislocation of hip,Osteogenesis imperfecta,Congenital scoliosis,Muscular dystrophies etc.			
-Blood Disorders:- Thalasemia,Hemophilia,Sickle cell anemia,Congenital spherocytosis.			
Metabolic Disorders:- Cystic fibrosis,Phenylketoneuria(PKU),Wilson' disease, Galactosemia,Inborn errors of metabolism.			
Endocrine disorders:- Congenital hypopituitarism,Congenital hypothyroidism,Congenital adrenogenital hyperplasia,Congenital goiter,Diabetes Mellitus.			
Chromosomal Abnormalities:- Down's syndrome,Patau's syndrome(Trisomy-13), Turner syndrome. (All congenital disorders will be covered along with the systems.).			
IV	<u>INTEGRATED MANAGEMENT OF NEONATAL AND CHILDHOOD</u>	<u>3</u>	

<u>ILLNESS (IMNCI)</u>		
	<u>NURSING MANAGEMENT IN COMMON CHILDHOOD DISEASES:-</u>	<u>41</u>
	❖ Nutritional deficiency disorders.	2
	❖ Respiratory disorders and infections.	4
	❖ Gastrointestinal infections, infestations and congenital disorders.	4
	❖ Cardio vascular problem: congenital defects and rheumatic fever, rheumatic fever, rheumatic heart disease.	4
	❖ Genito- urinary disorders: acute glomerulo nephritic syndrome, Wilms' tumor, infection and congenital disorders.	3
	❖ Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina – bifida.	3 ½
	❖ Hematological disorders: anemias, thalassemia, ITP, Leukemia, hemophilia	4
	❖ Endocrine disorders: Juvenile diabetes mellitus	4
	❖ Orthopedic disorders: club feet, hip dislocation and fracture.	3
	❖ Disorders of skin, eye and ears	5
	❖ Common communicable diseases in children, their identification, nursing management in hospital and home and prevention.	2
	❖ Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning.	2
	❖ Nursing care of infant and children with HIV/ AIDS.	½
VI	<u>MANAGEMENT OF BEHAVIOURAL & SOCIAL PROBLEMS IN CHILDREN:-</u>	<u>8</u>
	❖ Management of common behavioural disorders.	2
	❖ Management of common psychiatric problems.	2
	❖ Management of challenged children: Mentally, physically & socially challenged.	2
	❖ Welfare services for challenged children in India.	1
	❖ Child guidance clinics	1

MENTAL HEALTH NURSING

Placement : -B. Sc (N) 3rd Year

Time Allotment : - Theory 90 Hours

Course description:-

This course is designed for developing an understanding of the modern approach to mental health. Identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

UNIT	TOPIC	HRS
1	<p><u>INTRODUCTION:-</u></p> <ul style="list-style-type: none"> ❖ Perspectives of Mental Health and Mental Health nursing: evaluation of mental health services, treatments and nursing practices. ❖ Prevalence and incidence of mental health problems and disorders. ❖ Mental health Act. ❖ National Mental Health policy vis a vis National Health policy. ❖ National Mental health programme. ❖ Mental health team. ❖ Nature and scope of mental health nursing. ❖ Role and functions mental health nurse in various settings and factors affecting the level of nursing practice. ❖ Concepts of normal and abnormal behaviour. 	<p><u>10</u> 1 ½ 1 1 1 ½ 1 1 1 1</p>
II	<p><u>PRINCIPLES AND CONCEPTS OF MENTAL HEALTH NURSING:-</u></p> <ul style="list-style-type: none"> ❖ Definition: Mental health nursing and terminology used. ❖ Classification of mental disorders: ICD ❖ Review of personality development, defense mechanisms ❖ Maladaptive behaviour of individuals and groups: stress. Crisis and disaster (s). ❖ Etiology: bio-psycho-social factors. ❖ Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuron transmission. ❖ Principles of mental health nursing. ❖ Standards of mental health nursing practice. ❖ Conceptual model and the role of nurse: <ul style="list-style-type: none"> • Existential Model • Psycho- analytical models • Behavioural model • Interpersonal model 	<p><u>10</u> 1 1 1 1 1 1 1 1 2</p>

UNIT	TOPIC	HRS
III	<u>ASSESSMENT OF MENTAL HEALTH STATUS:-</u>	<u>8</u>
	<ul style="list-style-type: none"> ❖ History taking ❖ Mental status examination ❖ Mini mental status examination: ❖ Neurological examination :review ❖ Investigations: related blood chemistry, EEG, CT & MRI ❖ Psychological tests: Role and responsibilities of nurse. 	<p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">2</p>
IV	<u>THERAPEUTIC COMMUNICATION AND NURSE-PATIENT REL;ATIONSHIP:-</u>	<u>6</u>
	<ul style="list-style-type: none"> ❖ Therapeutic communication: types, techniques, Characteristics ❖ Types of relationship ❖ Ethics and responsibilities ❖ Elements of nurse patient contract ❖ Review of technique of IPR Johari Window:- ❖ Goals, phases, tasks, therapeutic techniques ❖ Therapeutic impasses and its interventions. 	<p style="text-align: right;">1</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p>
V	<u>TREATMENT MODALITIES AND THERAPIES USED IN MENTAL DISORDERS:-</u>	<u>14</u>
	<ul style="list-style-type: none"> ❖ Psycho pharmacology ❖ Psychological therapies: Therapeutic community, psycho therapy- individual: Psycho analytical, cognitive and supportive, family, group, behavioural, play, psycho- drama, Music,Dance, Recreational and light therapy, Relaxation therapies: Yoga, Meditation, bio feedback. ❖ Alternative systems of medicine ❖ Occupational therapy ❖ Physical therapy: electro convulsive therapy ❖ Geriatric considerations <p>Role of nurse in above therapies.</p>	<p style="text-align: right;">1</p> <p style="text-align: right;">8</p> <p style="text-align: right;">1 ½</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1 ½</p> <p style="text-align: right;">1</p>
VI	<u>NURSING MANAGEMENT OF PATIENT WITH SCHIZOPHRENIA AND OTHER PSYCHOTIC DISORDERS:-</u>	<u>4</u>
	<ul style="list-style-type: none"> ❖ Classification : ICD ❖ Etiology, psycho-pathology, types, clinical manifestations, diagnosis ❖ Nursing Assessment – history, physical & mental Assessment ❖ Treatment modalities and nursing management of patients with schizophrenia and other psychotic disorders ❖ Geriatric considerations ❖ Follow up and home care and rehabilitation 	<p style="text-align: right;">½</p> <p style="text-align: right;">1</p> <p style="text-align: right;">½</p> <p style="text-align: right;">1</p>
VII	<u>NURSING MANAGEMENT OF PATIENT WITH MOOD DISORDERS:-</u>	<u>4</u>
	<ul style="list-style-type: none"> ❖ Mood disorders: Bipolar affective disorder, mania depression and dysthymia etc. ❖ Etiology, psycho-pathology, clinical manifestations, diagnosis ❖ Nursing Assessment ❖ Treatment modalities and nursing management of patients with mood disorders ❖ Geriatric considerations ❖ Follow-up and home care and rehabilitation 	<p style="text-align: right;">1</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">1</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p>

UNIT	TOPIC	HRS
VIII	<p data-bbox="240 103 1145 174"><u>NURSING MANAGEMENT OF PATIENT WITH NEUROTIC, STRESS RELATED AND SOMATIZATION DISORDERS:-</u></p> <ul style="list-style-type: none"> <li data-bbox="292 176 1230 282">❖ Anxiety disorder, phobias, dissociation and conservation disorder, obsessive compulsive disorder, somatoform disorders, post traumatic stress disorder <li data-bbox="292 284 1123 322">❖ Etiology, psycho-pathology, clinical manifestations, diagnosis <li data-bbox="292 324 1139 362">❖ Nursing assessment – history, physical and mental assessment <li data-bbox="292 365 1155 436">❖ Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders <li data-bbox="292 439 655 477">❖ Geriatric considerations <li data-bbox="292 479 903 517">❖ Follow-up and home care and rehabilitation 	<p data-bbox="1358 103 1382 141"><u>8</u></p> <p data-bbox="1358 212 1382 250">4</p> <p data-bbox="1358 365 1382 403">½</p> <p data-bbox="1358 439 1382 477">½</p> <p data-bbox="1358 512 1382 551">1</p> <p data-bbox="1358 586 1382 624">1</p> <p data-bbox="1358 660 1382 698">1</p>
IX	<p data-bbox="240 689 1217 761"><u>NURSING MANAGEMENT OF PATIENT WITH SUBSTANCE USE DISORDERS:-</u></p> <ul style="list-style-type: none"> <li data-bbox="292 763 1238 835">❖ Commonly used psychotropic substance: classification, forms, routes, action, intoxication and withdrawal <li data-bbox="292 837 1142 909">❖ Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis <li data-bbox="292 911 1198 983">❖ Nursing Assessment history, physical, mental assessment and drug assay <li data-bbox="292 985 1206 1099">❖ Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders <li data-bbox="292 1102 647 1140">❖ Geriatric considerations <li data-bbox="292 1142 903 1180">❖ Follow-up and home care and rehabilitation 	<p data-bbox="1358 689 1382 728"><u>3</u></p> <p data-bbox="1358 763 1382 801">½</p> <p data-bbox="1358 873 1382 911">½</p> <p data-bbox="1358 983 1382 1021">½</p> <p data-bbox="1358 1057 1382 1095">½</p> <p data-bbox="1358 1202 1382 1240">½</p> <p data-bbox="1358 1243 1382 1281">½</p>
X	<p data-bbox="240 1279 1193 1350"><u>NURSING MANAGEMENT OF PATIENT WITH PERSONALITY, SEXUAL AND EATING DISORDERS:-</u></p> <ul style="list-style-type: none"> <li data-bbox="292 1352 676 1391">❖ Classification of disorders <li data-bbox="292 1393 1038 1431">❖ Etiology, psycho- pathology, characteristics, diagnosis <li data-bbox="292 1433 1150 1471">❖ Nursing Assessment – history, Physical and mental assessment <li data-bbox="292 1473 1155 1545">❖ Treatment modalities and nursing management of patients with personality, sexual and eating disorders. <li data-bbox="292 1547 647 1585">❖ Geriatric considerations <li data-bbox="292 1588 903 1626">❖ Follow-up and home care and rehabilitation 	<p data-bbox="1358 1279 1382 1317"><u>3</u></p> <p data-bbox="1358 1388 1382 1426">½</p> <p data-bbox="1358 1429 1382 1467">½</p> <p data-bbox="1358 1498 1382 1536">½</p> <p data-bbox="1358 1572 1382 1610">½</p> <p data-bbox="1358 1682 1382 1720">½</p> <p data-bbox="1358 1722 1382 1760">½</p>
XI	<p data-bbox="240 1756 1193 1827"><u>NURSING MANAGEMENT OF CHILDHOOD AND ADLOSCENT DISORDERS INCLUDING MENTAL DEFICIENCY:-</u></p> <ul style="list-style-type: none"> <li data-bbox="292 1830 517 1868">❖ Classification <li data-bbox="292 1870 1038 1908">❖ Etiology, psycho- pathology, characteristics, diagnosis <li data-bbox="292 1910 1206 1948">❖ Nursing Assessment – history, Physical, mental and IQ assessment <li data-bbox="292 1951 1243 2022">❖ Treatment modalities and nursing management of childhood disorders including mental deficiency <li data-bbox="292 2024 903 2063">❖ Follow-up and home care and rehabilitation 	<p data-bbox="1358 1756 1382 1794"><u>3</u></p> <p data-bbox="1358 1796 1382 1834">½</p> <p data-bbox="1358 1836 1382 1874">½</p> <p data-bbox="1358 1906 1382 1944">½</p> <p data-bbox="1358 1980 1382 2018">1</p> <p data-bbox="1358 2054 1382 2092">½</p>

UNIT	TOPIC	HRS
XII	<u>NURSING MANAGEMENT OF ORGANIC BRAIN DISORDERS:-</u> <ul style="list-style-type: none"> ❖ Classification: ICD? ❖ Etiology, psycho- pathology, clinical features, diagnosis and differential diagnosis and differential diagnosis and differential diagnosis (parkinsons and alzheimers) ❖ Nursing assessment – History, physical, mental and neurological assessment ❖ Treatment modalities and nursing management of organic brain disorders ❖ Geriatric considerations ❖ Follow-up and home care and rehabilitation 	<u>3</u> 1/2 1/2 1/2 1/2 1/2 1/2
XIII	<u>PSYCHIATRIC EMERGENCIES AND CRISIS INTERVENTION:-</u> <ul style="list-style-type: none"> ❖ Types of psychiatric emergencies and their management ❖ Stress adaptation model: stress and stressor, coping, resources and mechanism ❖ Grief: Theories of grieving process, principles, techniques of counseling ❖ Types of crisis ❖ Crisis Intervention: Principles , techniques and process ❖ Geriatric considerations Role and responsibilities of nurse 	<u>4</u> 1/2 1/2 1/2 1/2 1 1
XIV	<u>LEGAL ISSUES IN MENTAL HEALTH NURSING:-</u> <ul style="list-style-type: none"> ❖ The mental Health Act 1987: Act, Sections, articles and their implications etc. ❖ Indian Lunacy Act.1912 ❖ Rights of mentally ill clients ❖ Forensic psychiatry ❖ Acts related to narcotic and psychotropic substances and illegal drug trafficking ❖ Admission and discharge procedures Role and responsibilities of nurse 	<u>4</u> 1 1 1/2 1/2 1/2 1/2 1/2
XV	<u>COMMUNITY MENTAL HEALTH NURSING:-</u> <ul style="list-style-type: none"> ❖ Development of community mental health services ❖ National mental health programme ❖ Institutionalization versus deinstitutionalization ❖ Model of preventive psychiatry: Levels of prevention ❖ Mental Health services available at the primary, secondary, tertiary levels including rehabilitation and role of nurse ❖ Mental health agencies: Government and voluntary, National and International ❖ Mental health nursing issues for special populations: children, adolescence, women, elderly, victims of violence and abuse, handicapped, HIV/ AIDS etc. 	<u>6</u> 1/2 1 1/2 1 1 1 1

MEDICAL SURGICAL NURSING-II

Placement :-B. Sc (N) 3rd Year

Time Allotment :- Theory 120 Hours & Practical 270 Hours

Objectives:-

On completion of this course the student will be able to:-

1. Identify the roles of nurse caring for patients and family members with special needs such as actually and critically ill, elderly, terminally ill.
2. Describe the scope , trends and principles of medical and surgical specialties in nursing.
3. Exhibit the knowledge of etiology, symptoms R x & preventive measure of disease condition.
4. Use the nursing process in providing care to clients in terms of nursing assessment, diagnosis , care plan and evaluation.
5. Identify the nursing implications and therapeutic qualitative care based on the needs of the clients.
6. Demonstrates knowledge of the selected procedures techniques, equipments and drugs while participating in clinical practice.
7. Apply the principles in health care setting
8. Appreciate different roles of nurses, physical setups and facilities in various specialties units (I.C.U., I.C.C.U., Emergency/ trauma Unit) Burn & reconstructive surgery Units etc.

UNIT	TOPIC	HRS
I	<p><u>Nursing Management of Patient with disorders of Ear, Nose and Throat :-</u></p> <ul style="list-style-type: none"> ● Review of anatomy and physiology of the Ear, Nose and Throat. ● Nursing Assessment – History and Physical assessment . ● Etiology , Patho physiology , C/M, diagnosis, treatment modalities and medical & surgical nursing management of Ear, Nose and Throat disorders <p>* External Ear : deformities , Otagia, Foreign bodies & tumors, * Middle Ear : Impacted wax, Tympanic membrane perforation , otitis media, mastoiditis, tumors. * Upper airway infections : common cold, sinusitis , rhinitis, pharyngitis, tonsillitis, adenoiditis, peritonsilar, abscess, laryngitis .</p>	<p>15</p> <p>1</p> <p>2</p> <p>1</p> <p>3</p>

	<ul style="list-style-type: none"> • Virval disorders • Disease of breasts. • Menopause. • Infertility • Contraception • Abortion. • Toxic shock syndrome. <p>& Injuries & trauma ; sexual violence.</p> <ul style="list-style-type: none"> • National family evelfare program 	<p>1</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p>
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V	<p><u>Nursing Management of patient with Burns, reconstructive and cosmetic surgery,</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin & connective tissues and various deformities . • Nursing assessment – History and physical assessment and assessment of burns and fluid & electrolyte loss. • Etiology , classification, patho physiology , C/M, diagnosis , treatment modalities and medical & surgical nursing management of burns & reconstructive and cosmetic surgery. • Types of reconstructive & Cosmetic Surgery; for Burns, Congenital Deformities, Injuries & Cosmetic Purposes 	<p>6</p> <p>1</p> <p>1</p> <p>3</p> <p>1</p>
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VI	<p><u>Nursing management of patients with oncological conditions.</u></p> <ul style="list-style-type: none"> • Structure and characterestics of normal and cancer cells. • Nursing assessment – history and physical assessment . • Prevention, screening , early detection warning signs of cancer. • Epidemiology, Etiology, Classification, Pathophysiology , staging , C/M, diagnosis treatment modalities and medical & surgical nursing management of oncological conditions. • Common malignancies : - Oral, larynx, lung, stomach and colon, liver, leukemia's , and lymphomas, breast, cervix, ovary, uterus, sarcoma, brain, renal, bladder prostate. <p>Oncological emergencies.</p> <ul style="list-style-type: none"> • Modalities of treatment • Immunotherapy 	<p>10</p> <p>1</p> <p>1</p> <p>5</p>
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	<ul style="list-style-type: none"> • Chemotherapy • Radiotherapy • Surgical Interventions • Stem cell and Bone marrow transplants • Gene therapy • Stomal therapy • Other forms of treatment • Psychological aspect of cancer. Rehabilitation, Home care, Hospice care Palliative care <p>:</p>	<p>2</p> <p>1</p>
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<p>VII</p>	<p><u>Nursing management of patient in emergency & disaster situations,</u> <u>Disaster Nursing</u></p> <ul style="list-style-type: none"> • Concepts and Principles of Disaster Nursing . • Causes and types of disaster. <ul style="list-style-type: none"> - Earthquakes, floods, epidemics, cyclones. Fire, explosion, accidents, violence, terrorism, biochemical , war. - Policies r/t emergency / disaster management - Disaster prepared ness. - Role of Nurse. <p>Emergency Nursing</p> <ul style="list-style-type: none"> • Concept, Priorities, principles and scope of emergency nursing. • Organization of emergency services. • Nursing assessment – History & physical assessment. • Etiology, patho physiology, C/M, diagnosis, treatment modalities and medical & surgical nursing management of patient c medical & surgical emergency . • Common emergencies : - <ul style="list-style-type: none"> - Respiratory, cordiac shock& hemorrhages, pain, poly-trauma, road accidents, crush injuries, wound, bites. - Poisoning :- fodd, gas, drugs & chemical poisoning. - Seizures. - Thermal:- heat stroke & cold injuries.Paediatric, psychiatric, obstetrical. - Violence, abuse, sexual assault. - CPR. - Role of Nurse. 	<p>10</p> <p>1</p> <p>3</p> <p>2</p> <p>4</p>
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VIII	<p><u>Nursing care of the elderly</u></p> <ul style="list-style-type: none"> • Nursing assessment – History and physical assessment . • Ageing :- Demography, myths and realities, concept & theories. • Aspects , Age R/t body system changes. • Medication and Elderly, Stress & Coping in OLDER Adults, Age r/t body system changes • Common Health problems & Nursing management :- <ul style="list-style-type: none"> - Cardiovascular, respiratory, Musculoskeletal - Endocrine, genitourinary, g.I. - Neurological , skin & other sensory organs. - Role of nurse & provisional program . 	8 1 1 2 2 2
IX	<p><u>Nursing management of patient in critical care units.</u></p> <ul style="list-style-type: none"> • Nursing assessment – History and physical assessment • Classification , Principles. • Organization :- Physical setup, policies, staffing norms. • • Protocols, equipments and supplies • Nursing management of critically ill patient. • Treatment and procedures . • Ethical and Legal Issues • Intensive care records, crisis interventions, coping with Death and Dying 	10 1 1 1 2 2 1 1 1
X	<p><u>Nursing management of patients adults including elderly with occupational & industrial disorders.</u></p> <ul style="list-style-type: none"> • Nursing assessment – History and physical assessment. • Etiology pathophysiology, C/M, diagnosis, treatment modalities and medical & surgical nursing management of occupational & Industrial health disorders. • Role of nurse 	6 1 4 1

COMMUNITY HEALTH NURSING-II

Placement : - *B.Sc.Nursing 4th Year*

Time allotted : - *Theory 90 hrs.*

Objectives:-

On completion of this course the student will be able to:-

- Define concepts, scope, principles and historical development of Community Health and community health Nursing
- Describe health plans, policies, various health committees and health problems in India
- Describe the system of delivery of Community Health Nursing services in rural and urban areas
- List the functions of various levels and their staffing pattern
- Explain the components of health services
- Describe alternative systems of health promotion and health maintenance
- Describe the chain of referral system
- Describe community health Nursing approaches and concepts
- Describe the roles and responsibilities of community health nursing personnel
- Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health
- Describe national health and family welfare programmes and role of a nurse
- Describe the various health schemes in India
- Explain the roles and functions of various national and international health agencies

Unit	Content	Hours
1	Introduction <ul style="list-style-type: none">• Definition, concept & scope of Community Health & Community Health Nursing• Historical development of<ul style="list-style-type: none">○ Community Health○ Community Health Nsg.<ul style="list-style-type: none">- Pre-independencePost-independence	<u>4</u> 2 2

Unit	Content	Hours
	<ul style="list-style-type: none"> • Components of health services <ul style="list-style-type: none"> ○ Environmental sanitation ○ Health education ○ Vital Statistics ○ M.C.H: antenatal, natal, postnatal, MTP act, female foeticide act, child adoption act ○ Family Welfare ○ National health programmes ○ School health services ○ Occupational health ○ Defence services ○ Institutional services • Systems of medicine and health care <ul style="list-style-type: none"> ○ Allopathy ○ Indian system of medicine and Homeopathy ○ Alternative health care systems like yoga, meditation, social and spiritual healing etc. • Referral system 	<p style="text-align: center;">6</p> <p style="text-align: center;">2</p> <p style="text-align: center;">1</p>
IV	<p>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</p> <ul style="list-style-type: none"> • Approaches <ul style="list-style-type: none"> ○ Nursing theories and nursing process ○ Epidemiological approach ○ Problem solving approach ○ Evidence based approach ○ Empowering people to care for themselves • Concepts of primary health care:- <ul style="list-style-type: none"> ○ Equitable distribution ○ Community participation ○ Focus on prevention ○ Use of appropriate technology ○ Multi-sectoral approach • Roles and responsibilities of community health nursing personnel in <ul style="list-style-type: none"> ○ Family health services ○ Information education communication (IEC) 	<p style="text-align: center;"><u>25</u></p> <p style="text-align: center;">5</p> <p style="text-align: center;">2</p> <p style="text-align: center;">10</p>

Unit	Content	Hours
	<ul style="list-style-type: none"> ○ Management Information system (MIS): Maintenance of records & reports ○ Training & supervision of various categories of health workers ○ National health programmes ○ Environmental sanitation ○ Maternal & child health & family welfare ○ Treatment of minor ailments ○ Scholl health services ○ Occupational health ○ Organization of clinics, camps: Types, preparation, planning, conduct and evaluation ○ Waste management in the centre, clinics etc. ● Home visit: Concept, principles, process, techniques: Bag technique home visit ● Qualities of community health nurse ● Job description of community health nursing personnel 	<p style="text-align: center;">3</p> <p style="text-align: center;">2</p> <p style="text-align: center;">3</p>
V	<p>Assisting individuals and groups to promote and maintain their health</p> <ul style="list-style-type: none"> ● Empowerment for self care of individuals, families and groups in – <p>A. Assessment of self and family</p> <ul style="list-style-type: none"> ● Monitoring growth and development - Mile stones - Weight measurement - Social development ● Temperature and blood pressure monitoring ● Menstrual cycle ● Breast self examination and testicles ● Warning signs of various diseases ● Tests: Urine for sugar and albumin, blood sugar 	<p style="text-align: center;"><u>15</u></p> <p style="text-align: center;">3</p>

Unit	Content	Hours
	<p>B. Seek health services for</p> <ul style="list-style-type: none"> • Routine check-up • Immunization • Counseling • Diagnosis • Treatment • Follow up <p>C. Maintenance of health records for self and family</p> <p>D. Continue medical care and follow up in community for various diseases and disabilities</p> <p>E. Carryout therapeutic procedures as prescribed/ required for self and family</p> <p>F. Waste Management</p> <ul style="list-style-type: none"> • Collection and disposable of waste at home and community <p>G. Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female foeticide • Commercial sex workers • Food adulteration • Substance abuse <p>H. Utilize community resources for self and family</p> <ul style="list-style-type: none"> • Trauma services • Old age homes • Orphanage • Homes for physically and mentally challenged individuals <p>Homes for destitute H. Utilize community resources for self and family</p> <ul style="list-style-type: none"> • Trauma services • Old age homes • Orphanage • Homes for physically and mentally challenged individuals • Homes for destitute 	<p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>3</p> <p>2</p>

Unit	Content	Hours
VII	<p>Health Agencies</p> <p>International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc.</p> <p>National - Indian Red Cross, Indian Council for child welfare, Family planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India womesn’s conference, Blind Association of India etc.</p>	<p><u>5</u></p> <p>2</p> <p>3</p>

COMMUNITY HEALTH NURSING-II

*Placement
Time allotted*

*:- B.Sc.Nursing 4th Year
:- Practical 135 hrs.
:- Internship 195 hrs*

Areas	Duration (in Week)	Objectives	Skills	Assignments	Assessment methods
Community health Nursing	1 wk for urban 4 wk for rural	<ul style="list-style-type: none"> • Identify community profile • Identify prevalent communicable and non-communicable diseases • Diagnose health needs of individual, families and community • Plan, provide and evaluate care • Participate in school health programme • Participate in national health programs • Organize group for self help and involve clients in their own health activities 	<ul style="list-style-type: none"> • Community health survey • Community diagnosis • Family care: Home adaption of common procedures • Home visit : Bag technique • Organize and conduct clinics-antenatal, post natal, well baby clinic, camps etc. • Screen manage and referrals for: <ul style="list-style-type: none"> ○ High risk mothers and neonates ○ Accidents and emergencies ○ Illness: Physical and mental ○ Disabilities • Conduct delivery at centre/ home: episiotomy and suturing • Resuscitate newborn • School Health programme <ul style="list-style-type: none"> ○ Screen, manage, refer children • Collaborate with health and allied agencies 	<ul style="list-style-type: none"> • Community survey report-1 • Family care study-1 • Project-1 • Health talk -1 • Case book recording 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Evaluation of community survey report, family care study, project and health talk • Completion of case book recording

Areas	Duration (in Week)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> • Provide family welfare services • Counsel and educate individual, family and community • Collect Vital health statistics • Maintain Records & reports 	<ul style="list-style-type: none"> • Train and supervise health workers • Provide family welfare services: insertion of IUD • Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental Health, adolescents, elderly's health, physically and individually, physically and mentally challenged individuals etc. • Collect and calculate vital health statistics • Document and maintain <ul style="list-style-type: none"> ○ Individual, family and administrative records ○ Write reports centre, disease, national health programme/ projects 		<ul style="list-style-type: none"> •

Placement:- Internship

Area	Duration	Objective	Skills	Assessment
Urban	4 weeks	<ul style="list-style-type: none"> • Provide comprehensive care to individual, family and community 	<ul style="list-style-type: none"> • Integrated practice and group project-1 in each rural and urban 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Evaluation of project

COMMUNITY Health Nursing – II

Placement- Fourth Year

Time: Theory- 90 Hours

Practical- 135 hours

Course Description: This course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concept and principles of health and community health nursing.

Unit	Time (Hrs)	Learning objectives	Content	Teaching Learning activities	Assessment methods
I	4	<ul style="list-style-type: none"> Define concept, 	Introduction <ul style="list-style-type: none"> Definition, concept & scope 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type short
		Scope, principles and historical development of community health and community health nursing	of community health and community health nursing <ul style="list-style-type: none"> historical development of - community health Community health nursing Pre- independence - Post-independence		Answers
II	6	<ul style="list-style-type: none"> describe health plans, policies, various health committees 	Health planning and policies and problems <ul style="list-style-type: none"> national health planning in India-five year plans various committees and 	<ul style="list-style-type: none"> lecture discussion panel discussion 	<ul style="list-style-type: none"> essay type short answers

		and health problems in India	<p>family welfare Central council for health and family welfare (CCH and FW)</p> <p>National population policy</p> <ul style="list-style-type: none"> health problems in India 		
III	15	<ul style="list-style-type: none"> Describe the system of delivery of community health services in rural and urban areas List the functions of various levels and their staffing pattern Explain the components of health services Describe alternative systems of health promotion and health maintenance 	<p>Delivery of community health services</p> <ul style="list-style-type: none"> Planning, budgeting and material management of SCs, PHC and CHC Rural: Organization, staffing and functions of rural health services provided by government at; village Subcentre <p>Primary health centre</p> <p>Community health center/ sub divisional-</p> <p>Hospital</p> <p>District</p> <p>State</p>	<ul style="list-style-type: none"> Lecture discussion Visits to various health delivery systems Supervised field practice Panel discussion 	<ul style="list-style-type: none"> Essay type Short answers

			<p>Centre</p> <ul style="list-style-type: none"> • Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> - Slums - Dispensaries - Maternal and child health centers 		
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		<ul style="list-style-type: none"> • Describe the chain of referral system 	<ul style="list-style-type: none"> - Special Clinics - Hospitals - Corporation/ Municipality/ Board • Components of health services <ul style="list-style-type: none"> - Environmental sanitation - Health education - Vital statistics - M.C.H antenatal, natal, postnatal, MTP Act, female 		
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			<p>foeticide act, child adoption act</p> <ul style="list-style-type: none"> - Family welfare - National health programmes - School health services - Occupational health - Defence Services - Institutional services • Systems of medicine and health care - Allopathy - Indian system of Medicine and Homeopathy 		
			<ul style="list-style-type: none"> - Alternative health care systems like yoga, meditation, social and spiritual healing etc. • Referral system 		
IV	25	<ul style="list-style-type: none"> • Describe community Health Nursing approaches and concepts • Describe the roles and responsibilities 	<p>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</p> <ul style="list-style-type: none"> • Approaches - Nursing theories and nursing process 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised field practice • Participation in camps • Group project 	<ul style="list-style-type: none"> • Essay type • Short answers

		<p>es of Community health nursing personnel</p>	<ul style="list-style-type: none"> - Epidemiological approach - Problem solving approach - Evidence based approach - Empowering people to care for themselves <ul style="list-style-type: none"> • Concepts of Primary Health care: <ul style="list-style-type: none"> - Equitable distribution - Community participation - Focus on prevention - Use of appropriate technology - Mutli-sectoral approach 		
			<p>Roles and Responsibilities of Community health nursing personnel in</p> <ul style="list-style-type: none"> - Family health services - Information Education - Communication (IEC) 		

			<ul style="list-style-type: none"> - management Information System (MIS): Maintenance of Records & reports - Treatment of Minor ailments - School health services - Occupational health - Organization of clinics, camps: Types, preparation, planning, conduct and evaluation 		
			<ul style="list-style-type: none"> - Waste management in the center, clinics etc. • Home visit: Concept, principles, Process, Techniques: Bag technique home visit • Qualities of Community Health Nurse • Job description of Community health nursing personnel 		
V	15	<ul style="list-style-type: none"> • Describe and appreciate the activities of community health nurse 	<p>Assisting individuals and groups to promote and maintain their health</p> <ul style="list-style-type: none"> • Empowerment for self care of individuals, families and groups in- 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised field practice • Individual / 	<ul style="list-style-type: none"> • Essay type • Short answers

		<p>in assisting individuals and groups to promote and maintain their health</p>	<p>A. Assessment of self and family</p> <ul style="list-style-type: none">- Monitoring growth and development- Miles stones- Weight measurement- Social development- Temperature and Blood pressure monitoring	<p>group/family</p> <ul style="list-style-type: none">• Community health education	
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			<ul style="list-style-type: none">- Menstrual cycle- Breast self examination and testicles- Warning signs of various diseases- Tests: Urine for sugar and albumin, blood sugar <p>B. Seek health services for</p> <ul style="list-style-type: none">- Routing check up- Immunization- Counseling- Diagnosis- Treatment- Follow up <p>C. maintenance of health records for self and family</p> <p>D. Continue medical care and follow up in community for various diseases and disabilities</p> <p>E. Carry out therapeutic</p>		
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			procedures as prescribed / required for self and family		
			<p>F. Waste Management</p> <ul style="list-style-type: none"> • Collection and disposable of waste at home and community <p>G. Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female Feticide • Commercial sex workers • Food adulteration • Substance abuse <p>H. Utilize community resources for self and family</p> <ul style="list-style-type: none"> • Trauma services • Old age homes • Orphanage • Homes for physically and mentally challenged individuals • Homes for destitute 		

VI	20	<ul style="list-style-type: none"> • Describe national health and family welfare programmes and role of a nurse • Describe the various health schemes in India 	<ul style="list-style-type: none"> • National health and family welfare programmes and the role of a nurse <ol style="list-style-type: none"> 1) National ARI programme 2) Revised National Tuberculosis Control Programme (RNTCP) 3) National Anti-Malaria programme 4) National Filaria control programme 5) National guinea worm eradication programme 6) National Leprosy eradication Programme 7) National AIDS control programme 8) STD control programme 9) National programme for control of blindness 10) Iodine deficiency disorder Programme 11) Expanded programme on immunization 	<ul style="list-style-type: none"> • Lecture discussion • Participation in national health programmes • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers
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			<p>12) National family welfare programme - RCH</p> <p>Programme Historical Development, Organization, Administration, Research Constrains</p> <p>13) National water supply and sanitation programme</p> <p>14) Minimum Need programme</p> <p>15) National Diabetics control programme</p> <p>16) Polio Eradication: Pulse Polio programme</p> <p>17) National Cancer Control programme</p> <p>18) Yaws eradication Programme</p> <p>19) National Nutritional Anemia Prophylaxis programme</p> <p>20) 20 point programme</p> <p>21) ICDS programme</p>		
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			<p>22) Mid-day meal applied nutritional programme</p> <p>23) National mental health programme</p>		
			<ul style="list-style-type: none"> • Health schemes CEa ESI CEa CGHS • Health Insurance 		
VII	5	<ul style="list-style-type: none"> • Explain the roles and functions of various national and international health agencies 	<ul style="list-style-type: none"> • Health Agencies • International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, Europaen Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc. • National – Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Sntral Social Welfare Board, All India women’s conference, Blind Association of India ect. 	<ul style="list-style-type: none"> • Lecture discussion • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers

Community Health Nursing – II – Practical

Placement : Fourth Year

Time : Practical – 135 Hours

Internship – 195 hours

Area	Duration (in week)	Objective	Skills	Assignment	Assessment Methods
Community Health Nursing	1 wk for urban 4 wk for rural	<ul style="list-style-type: none"> • Identify community profile • Identify prevalent communicable and non-communicable diseases • Diagnosis health needs of individual, families and community • Plan provide and evaluate care 	<ul style="list-style-type: none"> • Community health survey • Community diagnosis • Family care : Home adaptation of common procedures • Home visit : Bag technique • Organize and conduct clinics-antenatal, postnatal, well baby clinic camps etc. • Screen manage and referrals for : High risk mother and neonates • Accidents and emergencies <p>Illnesses: Physical and</p>	<ul style="list-style-type: none"> • Community survey report-1 • Family care study – 1 • Project – 1 • Health talk – 1 • Case book recording 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Evaluation of community survey report, family care study, project and health talk • Completion of activity record. • Completion of case book recording.

		<ul style="list-style-type: none"> • Participate in school health program • Participate in national health programs • Organize group for self help and involve clients in their own health activities. • Provide family welfare services • Counsel and educate individual, family and community 	<p>Mental Disabilities</p> <ul style="list-style-type: none"> • Conduct delivery at center / home : episiotomy and suturing • Resuscitate new born • School Health programme (EA Screen, manage, refer children) • Collaborate with health and allied agencies • Train and supervise health workers • Provide family welfare services inseration of IUD • Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health adolescents, 		
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		<ul style="list-style-type: none"> • Collect vital health statistics • Maintain records & reports 	<p>Elderly's health, physically and mentally challenged individuals etc.</p> <ul style="list-style-type: none"> • Collect and calculate vital health statistics • Document and maintain Individual, family and administrative records. <p>- Write reports- center, disease, national, health programme / project</p>	•	•
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Placement : Internship

Time : 4 weeks

Middle Level Healthcare Provider			
Time	Content	Teaching Learning activities	Assessment Method
5 Hrs.	<ul style="list-style-type: none"> • Roles and responsibilities of Mid-Level Healthcare providers (MLHP). • New national health programmes. 	<ul style="list-style-type: none"> • lecture discussion • Panel discussion 	<ul style="list-style-type: none"> • Essay type • Short answers

	<ul style="list-style-type: none"> • AYUSHMAN BHARAT – The up gradation of sub-centers into of health and wellness centers, Concept of Comprehensive primary health care and key elements of CPHC, service delivery and continuum of care and Roles of Mid-Level Healthcare providers (MLHP). 		
7 hrs	<ul style="list-style-type: none"> • Diagnosing and treatment skills essential at sub-center level using standard treatment protocols as per national health programmes. • Introduction to Rashtriya Bal Sureksha karyakaram (RBSK) • Social Mobilization skills • Drug dispensing • Programme management including supervision and monitoring 	<ul style="list-style-type: none"> • lecture discussion • Panel discussion 	
3 hrs.	<ul style="list-style-type: none"> • Investigation of an outbreak • Behaviour change communication and soft skills 	<ul style="list-style-type: none"> • lecture discussion • Panel discussion 	<ul style="list-style-type: none"> • Essay type • Short answers

	<ul style="list-style-type: none"> • Integrated Disease Surveillance Project (IDSP) • Mother and Child Tracking System (MCTS) 		
5 hrs.	<ul style="list-style-type: none"> • Chikungunya • Organization of labour room • Safe child birth checklist • Postpartum visits by health workers • Family planning 2020 • National family planning programmes • Food Born diseases. 	<ul style="list-style-type: none"> • lecture discussion • Panel discussion 	<ul style="list-style-type: none"> • Essay type • Short answers
10 hrs.	<ul style="list-style-type: none"> • Topics to be Reviewed • Health planning and health care delivery system in India (IPHS guidelines) • Health Management Information System (HMIS) • Electronic Medical Records (EMR) • Micro birth planning • Adolescent counseling • Sources of vital statistics • Financial Management, Accounts and Computing at Sub – Centre • Mental health act, drug de-addiction programmes 		

	<ul style="list-style-type: none"> • Time trends in disease occurrence in epidemiology • Infant and across life cycle feeding and counseling • Nutrition across life cycle and update on national nutritional programmes • Use of Equipment • Throat problems and febrile seizure in children • Transportation of baby and common accidents and mishaps in labour room • Counselling-GATHER Approach • Update biomedical waste management by specifying biomedical waste management rules 2016 • Suturing of superficial wound • Postpartum Intra Uterine Contraceptive Device (PPIUCD) • All the national health programmes on communicable , non-communicable 			
45 hrs.	<ul style="list-style-type: none"> • Log Book • Field Visit 			
Area	Duration (in week)	Objective	Skills	Assessment

Urban	2 weeks	<ul style="list-style-type: none">• Provide comprehensive care to individual, family and community	<ul style="list-style-type: none">• Integrated Practice and group project – 1 in each rural and urban	<ul style="list-style-type: none">• Assess clinical performance with rating scale.• Evaluation of project
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Note : During the rural posting they should stay in health centers under the supervision of teachers.

Post Basic B.sc Nursing

Paper II

COMMUNITY HEALTH NURSING (10020)

Placement: Second Year

Time Allotted: Theory – 60 hrs

Practical – 240 hrs

COURSE DESCRIPTION

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

OBJECTIVES

At the end of the course the student will

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

COURSE CONTENTS

UNIT I

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

UNIT II

- Family health services
- Concept, objectives, scope and principles.

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

UNIT III

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

UNIT IV

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

UNIT V

- Role of the community health nurse
- National health programmes
 - Maternal and child health programmes

- Family welfare and school health services
- Occupational health services
- As a member of the health team.
- Training and supervision of health care workers.

UNIT VI

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

UNIT VII

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

PRACTICUM

- Each student will prepare a community profile.
- The students will be allotted families for gaining experience in identifying family health needs, health counselling and guidance and family budgeting for optimum health.
- The students will participate in the activities of primary health centre.
- Sub-centre, MCH Centre.
- Visits will be made to selected health and welfare agencies, water purification plant and sewage disposal plant, infectious disease hospital.
- Conduct health educational program for individual/groups/ community.

Middle Level Healthcare Provider

Time	Content	Teaching Learning activities	Assessment Method
5 Hrs.	<ul style="list-style-type: none">• Roles and responsibilities of Mid-Level Healthcare providers (MLHP).• New national health programmes.• AYUSHMAN BHARAT – The up gradation of sub-centers into of health and wellness centers, Concept of Comprehensive primary health care and key elements of CPHC, service delivery and continuum of care and Roles of Mid-Level Healthcare providers (MLHP).	<ul style="list-style-type: none">• lecture discussion• Panel discussion	<ul style="list-style-type: none">• Essay type• Short answers
7 hrs	<ul style="list-style-type: none">• Diagnosing and treatment skills essential at sub-center level using standard treatment protocols as per national health programmes.• Introduction to Rashtriya Bal Sureksha karyakaram (RBSK)	<ul style="list-style-type: none">• lecture discussion• Panel discussion	

	<ul style="list-style-type: none"> • Social Mobilization skills • Drug dispensing • Programme management including supervision and monitoring 		
3 hrs.	<ul style="list-style-type: none"> • Investigation of an outbreak • Behaviour change communication and soft skills • Integrated Disease Surveillance Project (IDSP) • Mother and Child Tracking System (MCTS) 	<ul style="list-style-type: none"> • lecture discussion • Panel discussion 	<ul style="list-style-type: none"> • Essay type • Short answers
5 hrs.	<ul style="list-style-type: none"> • Chikungunya • Organization of labour room • Safe child birth checklist • Postpartum visits by health workers • Family planning 2020 • National family planning programmes • Food Born diseases. 	<ul style="list-style-type: none"> • lecture discussion • Panel discussion 	<ul style="list-style-type: none"> • Essay type • Short answers
10 hrs.	<ul style="list-style-type: none"> • Topics to be Reviewed • Health planning and health care delivery system in India (IPHS guidelines) 		

	<ul style="list-style-type: none">• Health Management Information System (HMIS)• Electronic Medical Records (EMR)• Micro birth planning• Adolescent counseling• Sources of vital statistics• Financial Management, Accounts and Computing at Sub – Centre• Mental health act, drug de-addiction programmes• Time trends in disease occurrence in epidemiology• Infant and across life cycle feeding and counseling• Nutrition across life cycle and update on national nutritional programmes• Use of Equipment• Throat problems and febrile seizure in children• Transportation of baby and common accidents and mishaps in labour room• Counselling-GATHER Approach• Update biomedical waste management by specifying biomedical waste management rules 2016• Suturing of superficial wound• Postpartum Intra Uterine Contraceptive Device (PPIUCD)		
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	<ul style="list-style-type: none">• All the national health programmes on communicable , non-communicable		
45 hrs.	<ul style="list-style-type: none">• Log Book• Field Visit		

Management of Nursing Services & Education

Placement :- B.Sc. Nursing 4th Year (Session 2018-19)
Time allotted :- 90 hrs (Theory 60 hrs & Practical 30 hrs)

Objectives:-

On completion of this course the student will be able to:-

- Explain the principles and functions of management
- Describe the elements and process of management
- Describe the Management of nursing services in the hospital & Community
- Describe the concepts, theories and techniques of organizational behaviour and human relations
- Participate in planning and organizing in service education programme
- Describe management of nursing educational institutions
- Describe the ethical and legal responsibilities of a professional nurse
- Explain the nursing practice standards
- Explain various opportunities for professional advancement

Unit	Content	Hours	
		TH	PR
I	Introduction to management in nursing * Definition, concepts and theories • Functions of management • Principles of Management • Role of Nurse as a manager	<u>4</u> 1 1 1 1	
II	Management Process • Planning, mission, philosophy, objectives, operational plan • Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling • Human resource management, recruiting, selecting, deployment, retaining, promoting, super annuation etc. • Budgeting: concept, principles, types, cost benefit analysis, audit • Material management: equipment and supplies	<u>8</u> 1 1 1 1 1	

Unit	Content	Hours	
	<ul style="list-style-type: none"> • Directing process (Leading) • Controlling: Quality management • Programme Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart) 	1/2 1 1 1/2	
III	<p>Management of nursing services in the hospital and community</p> <ul style="list-style-type: none"> • Planning: <ul style="list-style-type: none"> ✓ Hospital and patient care units including ward management ✓ Emergency and disaster management • Human resource management: <ul style="list-style-type: none"> ✓ Recruiting, selecting, deployment, retaining, promoting, super annuation etc. ✓ Categories of nursing personnel including job description of all levels. ✓ Patient/population classification systems ✓ Patient/Population assignment and Nursing care responsibilities ✓ Staff development and welfare • Budgeting: proposal, projecting requirements • for staff, equipments and supplies for <ul style="list-style-type: none"> ✓ Hospital and patient care units ✓ Emergency and disaster management • Material management; procurement, inventory control, auditing and maintenance in <ul style="list-style-type: none"> • Hospital and patient care units • Emergency and disaster management 	12 1 2 2 2	<u>20</u>

Unit	Content	Hours	
	<ul style="list-style-type: none"> • Directing and leading: delegation, participatory management <ul style="list-style-type: none"> - Assignments, rotations, delegations - Supervision & guidance - Implement standards, policies, procedures and practices - Staff development and welfare <ul style="list-style-type: none"> ✓ Maintenance of discipline • Controlling/ Evaluation: <ul style="list-style-type: none"> ✓ Nursing Rounds/Visits, Nursing protocols, Manuals • Quality Assurance Model, documentation • Records and reports performance appraisal 	2	
		1	
		1	
		1	
IV	<p>Organizational behaviour and human relations</p> <ul style="list-style-type: none"> • Concepts and theories of organizational behaviours • Review of channels of communication • Leadership styles • Review of Motivation; concepts and theories • Group dynamics • Techniques of:- <ul style="list-style-type: none"> ✓ Communication ✓ Interpersonal relationships ✓ Human relations • Public relations in context of nursing • Relations with professional associations and employee unions and collective bargaining 	<u>5</u>	
		1	
		½	
		1	
		½	
		½	
		½	
		½	
		½	
V	<p>In service education</p> <ul style="list-style-type: none"> • Nature & scope of in-service education programme • Organization of in-service education • Principles of adult learning 	<u>5</u>	<u>10</u>
		1	
		1	
		½	

Unit	Content	Hours	
	<ul style="list-style-type: none"> • Curriculum: Planning, implementation and evaluation • Clinical facilities • Transport facilities • Institutional records and reports: administrative , faculty, staff and students 	1 ½ ½ 1	
VII	<p>Nursing as a profession</p> <ul style="list-style-type: none"> • Nursing as a profession <ul style="list-style-type: none"> ✓ Philosophy: Nursing practice ✓ Aims and objectives ✓ Characteristics of a professional nurse ✓ Regulatory bodies: INC, SNC Acts: Constitution, functions ✓ Current trends and issues in Nursing • Professional ethics <ul style="list-style-type: none"> ✓ Code of ethics: INC, ICN ✓ Code of professional conduct: INC,ICN • Practice standards for Nursing: INC • Consumer protection act • Legal aspects in Nursing <ul style="list-style-type: none"> ✓ Legal terms related to practice: registration and licensing Laws related to nursing practice: ✓ Breach and penalties Malpractice and negligence 	<u>10</u> 1 1 1 1 1 1 1 1 1 1 ½ 1 1 ½	
VIII	<p style="text-align: center;">Professional Advancement:</p> <ul style="list-style-type: none"> • Continuing education • Career opportunities • Collective bargaining • Membership with professional organizations: National and International • Participation in research activities • Publication: Journals, Newspapers etc. 	<u>3</u> ½ ½ ½ ½ ½ ½	

MIDWIFERY AND OBSTETRICAL NURSING

Placement :- B. Sc .Nursing 4th Year

Time allotted :- 90 hours

OBJECTIVES

On completion of this course the students will be able to:-

- Identify gynaecology problems, plan, implement and evaluate related care.
- Gain knowledge of maternal cycle.
- Identify nursing needs of mothers and neonates, determines priority, plans, implements and evaluates appropriate course of action to meet these needs.
- Conduct normal deliveries under supervision in hospital and home.
- Develop skill in pronding prenatal, internal and post natal care.

Units	Topic	Hours
1.	<p>Introduction to midwifery and obstetrical Nursing</p> <ul style="list-style-type: none"> • Introduction to concepts of Midwifery and obstetrical Nursing • Trends in midwifery and obstetrical nursing - Historical perspective and currents trends. - Legal and ethical aspects - Pre-conception care and preparing for parenthood - Role of nurse in midwifery and obstetrical care - National policy and legislation in relation to maternal health and welfare - Maternal, morbidity, mortality and fertility rate - Per natal, morbidity and mortality rates 	<p>(3)</p> <p>½</p> <p>2 ½</p>
2.	<p>Review of anatomy and physiology of female reproductive system and foetal development</p> <ul style="list-style-type: none"> • Female pelvis-general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape • Female organs of reproduction external genetalia, internal genital organs and their anatomical relations, musculature-blood-supply, nerves, lymphatic, pelvic cellular tissue, pelvic peritoneum • Physiology of menstrual cycle • Human sexuality 	<p>(8)</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>

Units	Topic	Hours
	<ul style="list-style-type: none"> • Foetal development <ul style="list-style-type: none"> - Conception - Review of fertilization, implantation(embedding of the embryo and placenta at term functions, abnormalities, the foetal sac, amniotic fluid, the umbilical chord, - Foetal circulation, foetal skull, bones, sutures and measurements • Review of Genetics 	3
3.	<p>Assessment and management of Pregnancy (ante-natal)</p> <ul style="list-style-type: none"> • Normal pregnancy • Physiological changes during pregnancy <ul style="list-style-type: none"> - Reproductive system - Cardio vascular system - Respiratory system - Urinary system - Gastro intestinal system - Metabolic changes - Skeletal changes - Skin changes - Endocrine system - Psychological changes - Discomforts of pregnancy • Diagnosis of pregnancy <ul style="list-style-type: none"> - Signs - Differential diagnosis - Confirmatory tests • Ante-natal care <ul style="list-style-type: none"> - Objectives - Assessment History and physical Examination Antenatal examination Signs of previous child-birth <ul style="list-style-type: none"> - Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position - Per vaginal examination • Screening and assessment for high risk • Risk approach • History and Physical examination • Modalities of diagnosis, Invasive & Non-Invasive, ultrasonic, cardio tomography, NST, CST • Antenatal preparation <ul style="list-style-type: none"> - Antenatal counselling - Antenatal exercises - Diet - Substance use - Education for child-birth - Husband and families - Preparation for safe-confinement - Prevention from radiation • Psycho-social and cultural aspects of pregnancy <ul style="list-style-type: none"> - Adjustment to pregnancy 	<p>(8)</p> <p>1/2 1</p> <p>1/2</p> <p>1/2</p> <p>1 1/2 1/2 1</p> <p>1</p> <p>1</p>

Units	Topic	Hours
	<ul style="list-style-type: none"> - Promoting physical and emotional well-being - Lactation management - Immunization • Family dynamics after child-birth • Family welfare services, methods, counselling • Follow-up • Records and reports 	<p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p>
6.	<p>Assessment and management of normal neonates</p> <ul style="list-style-type: none"> • Normal Neonate; <ul style="list-style-type: none"> - Physiological adaptation - Initial & Daily assessment - Essential newborn care; Thermal control - Breast feeding, prevention of infections • Immunization • Minor disorders of newborn and its management • Level of Neonatal care(level I,II & III) • At primary, secondary and tertiary levels • Maintenance of Reports and Records 	<p style="text-align: right;">(6)</p> <p style="text-align: right;">1 ½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p> <p style="text-align: right;">1</p>
7.	<p>High-risk pregnancy- assessment & management</p> <ul style="list-style-type: none"> • Screening and assessment <ul style="list-style-type: none"> - Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive - Newer modalities of diagnosis • High- risk approach • Levels of care, primary, secondary and tertiary levels • Disorders of pregnancy <ul style="list-style-type: none"> - Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic - Pregnancy, vesicular mole - Ante-partum haemorrhage • Uterine abnormality and displacement • Diseases complicating pregnancy <ul style="list-style-type: none"> - Medical and surgical conditions - Infections, RTI (STD), UTI, HIV, Torch - Gynaecological diseases complicating pregnancy - Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios - Rh incompatibility - Mental disorders • Adolescent pregnancy, Elderly primi and grand multipara • Multiple pregnancy • Abnormalities of placenta & cord • Intra- uterine growth- retardation • Nursing management of mothers with high-risk pregnancy • Maintenance of Records and Report 	<p style="text-align: right;">(10)</p> <p style="text-align: right;">1 ½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">1</p> <p style="text-align: right;">2</p> <p style="text-align: right;">1</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p> <p style="text-align: right;">½</p>

Units	Topic	Hours
8.	<p>Abnormal Labour- assessment and management</p> <ul style="list-style-type: none"> • Disorders in labour <ul style="list-style-type: none"> - CPD and contracted pelvis - Malpositions and malpresentations - Premature labour, disorders of uterine actions- precipitate labour, prolonged labour - Complications of third stage: injuries to birth canal • Obstetrical emergencies and their management ; <ul style="list-style-type: none"> - Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstretical shock • Obstetrical procedures and operations; <ul style="list-style-type: none"> - Induction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations • Nursing management of women undergoing obstretical operations and procedures 	<p>(10)</p> <p>4</p> <p>2</p> <p>3</p> <p>1</p>
9.	<p>Abnormalities during Postnatal Periods</p> <ul style="list-style-type: none"> • Assessment and management of woman with postnatal complications <ul style="list-style-type: none"> - Puerperial infections, breast engorgement & infections, UTI, thrombo-Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution - Psychological complications; <ul style="list-style-type: none"> Post partum Blues Post partum Depression Post partum Psychosis 	<p>(4)</p> <p>2</p> <p>2</p>
10.	<p>Assessment and management of High risk newborn</p> <ul style="list-style-type: none"> • Admission of neonates in the neonatal intensive care units protocols • Nursing management of; <ul style="list-style-type: none"> Low birth weight babies Infections Respiratory problems Haemolytic disorders Birth injuries Malformations • Monitoring of high risk neonates • Feeding of high risk neonates • Organisation and management of neonatal intensive care units • Infection control in neonatal intensive care units • Maintenance of reports and records 	<p>(10)</p> <p>2</p> <p>3</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>

NURSING RESEARCH & STATISTICS

Placement : - *B.Sc.Nursing 4th Year*

Time allotted : - *Theory 45 hrs & Practical 45 hrs*

COURSE OBJECTIVES:-

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

- Describe concept of research, terms, need and areas of research in nursing
- Explain the steps of research process.
- Identify and state the research problem and objectives
- Review the related literature
- Describe the research approaches and designs
- Explain the sampling process
- Describe the methods of data collection
- Analyse, Interpret and summarize the research data
- Explain the use of statistics, scales of measurement and graphical presentation of data
- Describe the measures of central tendency and variability and methods of correlation.
- Communicate and utilize the research findings

Unit	Time (Hrs)	Content
1	<u>4</u> 1 1 1/2 1/2 1	Research and research process <ul style="list-style-type: none"> • Introduction and need for nursing research • Definition of Research & nursing research • Steps of scientific method • Characteristics of good research • Steps of Research process-Overview
II	<u>3</u> 1/2 1/2 1 1	Research Problem/ Question <ul style="list-style-type: none"> • Identification of problem area • Problem statement • Criteria of a good research problem • Writing objectives
III	<u>3</u> 1/2 1/2 1 1/2 1/2	Review of Literature <ul style="list-style-type: none"> • Location • Sources • On line search: CINHAL, COCHRANE etc. • Purposes • Method of review
IV	<u>4</u> 2 2	Research approaches and designs <ul style="list-style-type: none"> • Historical, survey and experimental • Qualitative and quantitative designs

Unit	Time (Hrs)	Content
V	<u>8</u> 3 1 4	Sampling and data collection <ul style="list-style-type: none"> • Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques • Data- why, what, from whom, when and where to collect • Data collection methods and instruments: <ul style="list-style-type: none"> ○ Methods of data collection ○ Questioning, interviewing ○ Observations, record analysis and measurement ○ Types of instruments ○ Validity & Reliability of the instrument ○ Pilot study ○ Data collection procedure
VI	<u>4</u> 2 2	Analysis of data: <ul style="list-style-type: none"> • Compilation, Tabulation, classification, summarization, presentation, interpretation of data
VII	<u>15</u> 3 3 3 2 2 2	Introduction to statistics <ul style="list-style-type: none"> • Definition, use of statistics, scales of measurement • Frequency distribution and graphical presentation of data • Mean, Median, Mode, Standard deviation • Normal probability and tests of significance • Co-efficient of correlation • Statistical packages and its application

Unit	Time (Hrs)	Content
VIII	<u>4</u> 1 1 1 1	Communication and utilization of Research <ul style="list-style-type: none"> • Communication of research findings <ul style="list-style-type: none"> ○ Verbal report ○ Writing research report ○ Writing scientific article/paper <ul style="list-style-type: none"> - Critical review of published research - Utilization of research findings