

Department of Nursing
(Under Faculty of Medical Science)
P.K.University
Shivpuri (MP)



Scheme & Syllabus for B.Sc Nursing
(Taken from Indian Nursing Council- INC)

SCHEME OF EXAMINATION

B.Sc. NURSING FIRST YEAR

SUBJECT		ASSESSMENT			
SUBJECT CODE	THEORY	HOUR	INTERNAL	EXTERNAL	TOTAL
BSC-N-101	ANATOMY &PHYSIOLOGY	3	25	75	100
BSC-N-102	NUTRITION & BIOCHEMISTRY	3	25	75	100
BSC-N-103	NURSING FOUNDATION	3	25	75	100
BSC-N-104	PSYCOLOGY	3	25	75	100
BSC-N-105	MICROBIOLOGY	3	25	75	100
BSC-N-106	ENGLISH	3	50	-	50
BSC-N-107	INTRODUCTION TO COMPUTERS	-	50	-	50
BSC-N-108	PRACTICAL AND VIVA VOCE NURSING FOUNDATIONS	-	100	100	200

B.Sc. NURSING SECOND YEAR

SUBJECT		ASSESSMENT			
SUBJECT CODE	THEORY	HOUR	INTERNAL	EXTERNAL	TOTAL
BSC-N-201	SOCIOLOGY	3	25	75	100
BSC-N-202	MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I	3	25	75	100
BSC-N-203	PHARMACOLOGY,PATHOLOGY &GENETICS	3	25	75	100
BSC-N-204	COMMUNITY HEALTH NURSING-I	3	25	75	100
BSC-N-205	COMMUNICATION AND EDUCATIONAL TECHNOLOGY	3	25	75	100
BSC-N-206	PRACTICAL AND VIVA VOCE MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I		100	100	200

B.Sc. NURSING THIRD YEAR

SUBJECT		ASSESSMENT			
SUBJECT CODE	THEORY	HOURL	INTERNAL	EXTERNAL	TOTAL
BSC-N-301	MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-II	3	25	75	100
BSC-N-302	CHILD HEALTH NURSING	3	25	75	100
BSC-N-303	MENTAL HEALTH NURSING	3	25	75	100
BSC-N-304	NURSING RESEARCH & STATISTICS	3	25	75	100
BSC-N-305	PRACTICAL AND VIVA VOCE MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-II		50	50	100
BSC-N-306	PRACTICAL AND VIVA VOCE CHILD HEALTH NURSING		50	50	100
BSC-N-307	PRACTICAL AND VIVA VOCE MENTAL HEALTH NURSING		50	50	100

B.Sc. NURSING FOURTH YEAR

SUBJECT		ASSESSMENT			
SUBJECT CODE	THEORY	HOURL	INTERNAL	EXTERNAL	TOTAL
BSC-N-401	MIDWIFERY AND OBSTETRICAL NURSING	3	25	75	100
BSC-N-402	COMMUNITY HEALTH NURSING-II	3	25	75	100
BSC-N-403	MANAGEMENT AND NURSING SERVICES AND EDUCATION	3	25	75	100
BSC-N-404	PRACTICAL AND VIVA VOCE MIDWIFERY AND OBSTETRICAL NURSING		50	50	100
BSC-N-405	PRACTICAL AND VIVA VOCE COMMUNITY HEALTH NURSING-II		50	50	100

ANNUAL SCHEDULE OF STUDY

COURSE DURATION	4 YEAR
WEEKS AVAILABLE/YEAR	52 WEEKS
VACATION	8 WEEKS
GAZETTED HOLIDAY	3 WEEKS
EXAMINATION (INCLUDING PREPARATORY)	4WEEKS
AVAILABLE WEEKS	37 WEEKS
HOURS PER WEEK	40 HOURS
PRACTICAL	30 Hr./WK (5X6=30)
THEORY	10Hr./WK (2X5=10)
INTERNSHIP	48 Hr./WK(8X6=48)
HOURS AVAILABLE PER ACADEMIC YEAR	1480 (37WKX40Hr.)

Department of Nursing
P.K.University
First Year
Paper Code BSC-N-101: Anatomy & Physiology

Time : Theory - 60 hrs.

Unit

Content: Anatomy

Introduction to Anatomical terms organization of the human body

- Human Cell structure
 - Tissues-Definition, types, characteristics, classification, location, functions and formation
 - Membranes and glands- classification and structure
 - Alterations in disease
 - Applications and implications in nursing

The Skeletal System

- Bones –types, structure, Axial & Appendicular Skeleton,
- Bone formation and growth
- Description of bones
- Joints – Classification and structure
- Alterations in disease
- Applications and implications in nursing

The Muscular System

- Types and structure of muscles
- Muscle group
- Alterations in disease
- Applications and implications in nursing

IV. The Nervous system

- Structure of neurologic & neurons
- Somatic Nervous system
- Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves
- Autonomic nervous System- sympathetic, parasympathetic, Structure, location

Alterations in disease

Applications and implications in nursing

The Sensory Organs

- Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus)

Application in disease

Applications and implications in nursing

VI. Circulatory and lymphatic system

- The Circulatory System

Blood – Microscopic structure

Structure of Heart

Structure of blood vessels - Arterial & Venous System,

Circulation – systemic, pulmonary, coronary Lymphatic system

Lymphatic vessels and lymph

- Lymphatic tissues

Thymus gland

Lymph nodes

Spleen

Lymphatic nodules

Alterations in disease

Applications and implications in nursing

VII. The Respiratory System

Structure of the organs of respiration

Muscles of respiration: Intercostals and Diaphragm Alterations in disease

Applications and implications in nursing

VIII. The Digestive System

Structure of alimentary tract and accessory organs of digestion Alterations in disease

Applications and implications in nursing

IX. The Excretory System (Urinary)

Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra

Alterations in disease

Applications and implications in nursing

The Endocrine System

Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands

Alterations in disease

Applications and implications in nursing

XI. The Reproductive system

Structure of female reproductive organs.

- Structure of male reproductive organs.
- Structure of breast

Alteration in disease

Applications and implications in nursing

Time : Theory - 60 hrs.

Content: Physiology

Unit

Cell Physiology

- Tissue-formation-repair
Membranes & glands – functions

Alterations in disease

Applications and implications in nursing

Skeletal System

- Bone formation & Growth
Bones – Functions and movements of axial and appendicular skeleton, bone healing
- Joints and joint movement

Alterations in disease

Applications and implications in nursing

Muscular System

Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture

Alterations in disease

Applications and implications in nursing

IV. **Nervous System**

Functions of Neuroglia & neurons Stimulus & nerve-impulse-definitions and mechanism Functions of brain, spinal cord, cranial and spinal nerves Cerebrospinal fluid-composition, circulation and function Reflex arc, Reflex action and reflexes Autonomic Functions Pain: somatic, visceral, and referred Autonomic learning and biofeedback

Alterations in disease

Applications and implications in nursing

Circulatory System

Blood formation, composition, blood groups, blood coagulation

Hemoglobin: Structure, synthesis and breakdown, Variation of molecules, estimation Functions of Heart, Conduction, Cardiac cycle, circulation - Principles, Control, factors influencing BP and Pulse

Alterations in disease

Applications and implications in nursing

VI. **The Respiratory System**

Functions of respiratory organs

Physiology of respiration

Pulmonary ventilation, Volume

- Mechanics of respiration
 - Gaseous exchange in lungs
 - Carriage of oxygen & carbon-dioxide
 - Exchange of gases in tissues
- Regulation of respiration

Alterations in disease

Applications and implications in nursing

VII **The Digestive system**

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

VIII. **The Excretory System**

Functions of kidneys, ureters, urinary bladder & urethra Composition of urine

Mechanism of urine formation
Functions of skin as excretory organ
Regulation of body temperature
Fluid and electrolyte balance.

Alternations in disease

Applications and implications in nursing

IX The Sensory Organs

Functions of skin, eye, ear, nose, tongue.

Alternations in disease

Applications and implications in nursing

X. The Endocrine System

Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid,
pancreas, Suprarenal, Placenta and ovaries & Testes

Alternations in disease

Applications and implications in nursing

XI. The Reproductive System

Reproduction of cells–DNA, Mitosis, Meiosis, spermatogenesis, oogenesis.

Functions of female reproductive organs; Functions of breast, female sexual cycle.

Functions of male reproductive organs, male functions in reproduction, male fertility
system.

Alternations in disease

Applications and implications in nursing

XII. Lymphatic and Immunological System

Circulation of lymph

Immunity

Formation of T-cells and B cells

Types of immune response

Antigens

Cytokines

Antibodies

Department of Nursing
P.K.University
Paper Code BSC-N-102: Nutrition & Biochemistry

Time : Practical - 60 hrs.

Content: Nutrition

Unit

Introduction

- Nutrition:

- History

- Concepts

- Role of nutrition in maintaining health

- Nutritional problems in India

- National nutritional policy

- Factors affecting food and nutrition : socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc. including changes caused by agriculture, overgrazing, fertilizer pesticide problems, water logging and salinity.

- Role of food and its medicinal value

- Classification of foods,

- Food standards

- Elements of nutrition: macro and micro

- Calorie, BMR

II. Carbohydrates

- Classification

- Caloric value

- Recommended daily allowances

- Dietary sources

- Functions

- Digestion, absorption and storage, metabolism of carbohydrates

- Malnutrition: Deficiencies and Over consumption

Fats

Classification

Caloric Value

Recommended daily allowances

Dietary sources

Functions' Digestion, absorption and storage, metabolism

Malnutrition: Deficiencies and over consumption

IV. Proteins

Classification

Caloric Value

- Recommended daily allowances
- Digestion, absorption, metabolism and storage
- Malnutrition : Deficiencies and over consumption

Emergency

Unit of Energy – Kcal

Energy requirements of different categories of people

Measurements of energy

Body Mass Index (BMI) and basic metabolism

Basal Metabolic Rate (BMR) – determination and factors affecting

VI. Vitamins

Classification

Recommended daily allowances

- Dietary sources
- Functions
- Absorption, synthesis, metabolism storage and excretion
- Deficiencies
- Hyper Vitaminosis

VII. Minerals

Classification

Recommended daily allowances

Dietary sources

Functions

Absorption, synthesis, metabolism storage and excretion

Deficiencies

Over consumption and toxicity

VIII. **Water & Electrolytes**

Water: Daily requirements, regulation of water metabolism, distribution of body water.

Electrolytes: Types, sources, composition of body fluids

Maintenance of fluid & electrolyte balance

Over hydration, dehydration and water intoxication

- Electrolyte imbalances

IX. **Cookery rules and preservation of nutrients**

Principles, methods of cooking and serving Preservation of nutrients

Safe food handling – toxicity

Storage of food

Food preservation, food additives and its principles

Prevention of food adulteration Act (PFA)

- Food standards
- Preparation of simple beverages and different types of food allowance

X **Balance Diet**

Elements

Food Groups

Recommended daily allowance

Nutritive value of foods

Calculation of balanced diet for different categories of people

Planning menu

Budgeting of food

Introduction to therapeutic diets: Naturopathy – Diet

XI. **Role of nurse in nutritional programmes**

World Food Problems

National programmes related to nutrition

Vitamin A deficiency programme

National iodine deficiency disorders (IDD) programme

Mid-day meal programme

Integrated child development scheme (ICDS)

National and International agencies working towards food/nutrition

NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc.

Assessment of nutritional status

- Nutrition education and role of nurse

Time : Practical - 30 hrs.

Content: Biochemistry

Unit

Introduction

- Definition and significances in nursing
Review of structure, composition and functions of cell
Prokaryote and Eukaryote cell organization
Microscopy

II. Structure and functions of cell membrane

Fluid mosaic model tight junction, Cytoskeleton

Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump

Acid base balance-maintenance & diagnostic
test □ PH buffers

Composition and metabolism of Carbohydrates

Types, structure, composition and uses

Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides

Metabolism

Pathways of glucose :

Glycolysis

Gluconeogenesis : Cori's cycle, Tricarboxylic acid (TCA) cycle

Glycogenolysis

Pentose phosphate pathways (Hexose mono phosphate)

Regulation of blood glucose level

Investigations and their interpretations

IV. **Composition and metabolism of Lipids**

Types, structure, composition and uses of fatty acids

□ Nomenclature, Roles and Prostaglandins

Metabolism of fatty acid

Breakdown

Synthesis

Metabolism of triacylglycerols

Cholesterol metabolism

- Biosynthesis and its Regulation - Bile Salts and bilirubin

- Steroid hormones

- **Lipoproteins and their functions :**

VLDLs-IDLs, LDLs and HDLs

Transport of lipids

Atherosclerosis

Investigations and their interpretations

Composition and metabolism of Amino acids and Proteins

Types, structure, composition and uses of Amino acids and proteins

Metabolism of Amino acids and proteins

Protein synthesis, targeting and glycosylation

Chromatography

Electrophoresis

Sequencing

Metabolism of nitrogen

Electrophoresis

Sequencing

Metabolism of Nitrogen

Fixation and Assimilation

Urea Cycle

Hemes and Chlorophylls

Enzymes and co-enzymes

Classification

Properties

Kinetics and inhibition

Control

Investigations and their Interpretations

VI. Composition of Vitamins and minerals

Vitamins and minerals:

Structure

Classification

Properties

- Absorption
- Storage & transportation

Normal concentration

Investigations and their interpretations

VII. Immune chemistry

Immune response,

Structure and classification of immunoglobins

Mechanism of antibody production

- Antigen: HLA typing.

Free radical and antioxidants

Specialised protein: Collagen, Elastin, Keratin, Myosin, Lens Protein.

Electrophoretic and Quantitative determination of immunoglobins – ELISA etc. Investigations and their Interpretations

Department of Nursing
P.K.University
Paper Code BSC-N-103: Nursing Foundations

Time: Theory - 265 hrs.

Practical – 650
(200 lab and 450 clinical)

Unit

Content

Introduction

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

Nursing as a Profession

Definition and Characteristics of a profession
Nursing:
Definition, Concepts, Philosophy, Objectives
Characteristics, nature and scope of nursing practice
Functions of nurse
Qualities of a nurse
Categories of nursing personnel
Nursing as a profession

- History of Nursing in India

Values: Definition, Types

Ethics:

Definition and Ethical principles

Code of ethics and professional conduct for nurses

III. **Hospital admission and discharge**

- Admission to the hospital

- Unit and its preparation admission bed

Admission procedure

Special considerations

Medico-legal issues

Roles and Responsibilities of the nurse

Discharge from the hospital

Types: Planned discharge LAMA and abscond, Referrals and transfer

Discharge Planning

Discharge procedure

Special considerations

Medico-legal issues

Role and Responsibilities of the nurse

Care of the unit after discharge

IV. **Communication and Nurse patient relationship**

Communication: Levels, Elements, Types, Modes, Process, Factors influencing
Communication

Methods of Effective Communication,

Attending skills

Rapport building skills

Empathy skills

Barriers to effective communication,

Helping Relationship (NPR): Dimensions of Helping Relationship, Phases of a
helping relationship

Communicating effectively with patient, families and team members and maintain effective
human relations with special reference to communicating with vulnerable

group (children, woman, physically and mentally challenged and elderly)

Patient Teaching: Importance, Purposes, Process, role of nurse and integrating teaching in nursing process.

The Nursing Process

Critical thinking and Nursing Judgment

Critical Thinking: Thinking and Learning,
Competencies, Attitudes for Critical Thinking, Levels of critical thinking in
Nursing

Nursing Process Overview: Application in Practice

Nursing Process format: INC, current format

Assessment

Collection of Data: Types, Sources, Methods

Formulating nursing judgment: Data Interpretation

Nursing diagnosis

Identification of client problems

Nursing diagnosis statement

Difference between medical and nursing diagnosis

Planning

Establishing Priorities

Establishing Goals and Expected Outcomes,

Selection of intervention: Protocols and standing orders

Writing the nursing care plan

Implementation

Implementing the plan of care

Evaluation

Outcome of care

Review and Modification

Documentation and Reporting

VII Documentation and Reporting

Documentation : Purpose of Recording and reporting

Communication within the Health Care Team,

Types of records; ward records medical/nursing records,

Common record-keeping forms, Computerized documentation

Guidelines for Reporting: Factual Basis, Accuracy, Completeness Currentness,
Organizational, confidentiality
Methods, confidentiality
Methods of Recording,
Reporting: Transfer reports, Incident reports
Minimizing legal Liability through effective record keeping

VII **Vital signs**

- **Guidelines for taking vital signs:**

- **Body temperature:**

Physiology, Regulation, Factors affecting body temperature,
Assessment of body temperature: sites, equipments and technique, special considerations
Temperature alterations: Hyperthermia, Heatstroke, Hypothermia
Hot and cold applications

- **Pulse:**

Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse
Assessment of pulse: sites, location, equipments and technique, special considerations
Alterations in Pulse

Respiration:

Physiology and Regulations, mechanics of Breathing Characteristics of the respiration, Factors affecting respiration
Assessment of respirations: technique, special considerations
Alterations in respiration

Blood pressure:

Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure
Assessment of blood pressure: sites, equipments and technique, special considerations
Alterations in blood pressure

Recording of vital signs

VIII **Health Assessment**

Purposes

Process Health assessment

Health history

Physical examination:

Methods-Inspection, Palpation, Percussion, Auscultation, Olfaction

- Preparation for examination: patient and unit
- General assessment
- Assessment of each body system

Recording of health assessment

IX **Machinery, Equipment and linen**

Types: Disposables and reusable – Lines, rubber goods, glass ware, metal, plastics, furniture, machinery

Introduction :

Maintenance

Inventory

X **Meeting needs of patient**

Basic needs (Activities of daily living)

Providing safe and clean environment:

Physical – environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control

Reduction of Physical hazards: fire, accidents

Safety devices' Restraints, side rails, airways, trapez etc

Role of nurse in providing safe and clean environment

Hygiene :

Factors Influencing Hygienic Practice

Hygienic Care: Care of the Skin-Bath and Pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose

- Assessment, Principles, Types, Equipments, procedure, Special considerations

Patient environment: Room Equipment and linen, making patient beds

Types of beds and bed making

Comfort:-

Factors Influencing Comfort

Comfort devices

Physiological needs:

Sleep and Rest:

- Physiology of sleep
- Factors affecting sleep
- Promoting Rest and sleep

Sleep Disorders

Nutrition :-

Importance Factors affecting nutritional needs

Assessment of nutritional needs: Principles, equipments, procedure and special considerations

Oral

Enteral: Naso/Orogastric, gastrostomy

Urinary Elimination

Review of Physiology of Urinary Elimination, Composition and characteristics of urine

Factors Influencing urination

Alteration in Urinary Elimination

Types and Collection of urine specimen:

Observation, urine testing

Facilitating urine elimination: assessment, types, equipments, procedures and special considerations

Providing urinal/bed pan

Condom drainage

Perineal care

Catheterizaion

Care of urinary drainage

Care of urinary diversions

Bladder irrigation

Bowel Elimination

Review of Physiology of Bowel Elimination, Composition and Characteristics of faeces

Factors affecting Bowel elimination

Alteration in Bowel elimination

Types and collection of specimen of faeces: Observation

Facilitating bowel elimination : assessment, equipments, procedure and special considerations

- Passing of Flatus tube
 - Enemas
 - Suppositories
 - Sitz bath
 - Bowel wash
 - Care of Ostomies

Principles of Body Mechanics

Maintenance of normal body Alignment and mobility

Factors affecting body Alignment and mobility

Hazard associated with immobility

Alteration in body Alignment and mobility

Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects

- Range of motion exercises
- Maintaining body alignment: Positions
- Moving
- Lifting
- Transferring
- Walking
- Restraints

Oxygenation

Review of Cardiovascular and respiratory Physiology

Factors Affecting Oxygenation

Alterations in oxygenation: assessment, types, equipment used,
procedure and special considerations

Maintenance of patent airway

Oxygen administration

Suction

Inhalations: dry and moist

- Chest physiotherapy and postural drainage
- Care of chest drainage
- Pulse oximetry

CPR – Basic life support

Fluid, Electrolyte, and Acid

Base Balances

Fluid, Electrolyte, and Acid, Base Balances

Review of Physiological Regulation of Fluid, Electrolyte, and Acid
Factors Affecting Fluid, Electrolyte, and Acid- Base Balances

Alterations in Fluid, Electrolyte – Base Balances

Nursing interventions in Fluid, Electrolyte, and Acid

Base Imbalances: assessment, types, equipment, procedure and
special considerations

○ Measuring fluid intake and output

○ Correcting fluid, Electrolyte Imbalance:

- Replacement of Fluids: Oral and Parenteral- Venipuncture,
regulating IV flow rates, changing IV solutions and tubing Changing
IV dressing,

Administering Blood transfusion

Restriction of fluids

Psychosocial Needs

Concepts of Cultural Diversity, stress and Adaptation, Self-concept,

Sexuality, Spiritual Health, coping with loss, death and grieving

Assessment of psychosocial needs

Nursing interventions for psychosocial needs

Assist with coping an adaptation

-Creating therapeutic environment
Recreational and diversional therapies

XI **Infection control in Clinical settings**

Infection Control

Nature of infection

Chain of infection transmission

Defenses against infection: natural and acquired Hospital acquired
infection (Nosocomial infection)

Concept of asepsis: medical asepsis, and surgical asepsis

/Isolation precaution (Barrier nursing):

Hand washing: simple, hand antisepsis and surgical antisepsis (scrub)

Isolation: source and protective

Personal protecting equipments: types, uses and technique of wearing
and removing

Decontamination of equipment and unit

Transportation of infected patients

Standard safety precautions (Universal Precautions)

Transmission based precautions

Biomedical waste management:

Importance

Types of hospital waste

Hazards associated with hospital waste

Decontamination hospital waste

Segregation and Transportation of disposal

XII **Administration of Medications**

General Principles/Considerations

Purposes of Medication

Principles: 5 rights, Special Considerations, Prescriptions, Safety in
Administering Medications and Medication Errors

Drug forms

Routes of administration

Storage and maintenance of drugs and Nurses responsibility

Broad classification of drug

Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions,
Allergic Reactions, Drug Tolerance, Drug Interactions,

Factors Influencing drug Actions,

Measurement: Metric System, Apothecary System, Household

Measurements, solutions.

Converting Measurements Units: Conversion within one system,

Terminologies and abbreviation used in prescriptions of medications

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

Parenteral

General principles: decontamination and disposal of syringes and needles

Types of parenteral therapies

Types of syringes, needles, canula, and infusion sets

Protection from Needle stick Injuries: Giving Medications with a safety
syringes

Routes of parenteral therapies

Intradermal: procedure, special considerations

Subcutaneous purpose, site, equipment, procedure, special
considerations

Intramuscular : purpose, site, equipment, procedure, special
Considerations

Advanced techniques: Epidural, intrathecal, intraosseous,
intraperitoneal, intraplural, intraarterial-Role of nurse

Topical Administration: Purposes, site, equipment, procedure, special
considerations for

Application to Skin

Application to mucous membrane

Direct application of liquids-gargle and swabbing the throat

Insertion of Drug into body cavity: Suppository/medicated packing
in rectum/vagina

Instillations: Ear, Eye, Nasal, Bladder, and Rectal

Irrigations: Eye, Ear, Bladder, Vaginal and Rectal

Spraying: Nose and throat

Inhalation, Nasal, oral endotracheal/tracheal (steam oxygen and medications) – purposes, type, equipment, procedure, special considerations

Recording and reporting of medications administered

XIII Meeting needs of Preoperative patients

Definitions and concept of preoperative Nursing

Preparation of patient for surgery

● Intraoperative

Operation theatre Set up and environment

Role of nurse

Postoperative phase

Recovery unit

Post operative unit

Postoperative care

Wounds: types, Classification, wound Healing Process, Factors affecting Wound,

Complications of Wound Healing

Surgical asepsis

Care of the wound: types, equipments, procedure and special considerations

Dressings, Suture Care,

Care of Drainage

Application of Bandages, Binders, Splints & Slings

Heat and cold Therapy

XIV Meeting special needs of the patient

Care of patients having alteration in –

Temperature (hyper and hypothermia); Types, Assessment, Management

Sensorium (Unconsciousness); Assessment, Management

Urinary Elimination (retention and incontinence); Assessment, management

Functioning of sensory organs; (Visual & hearing impairment)

Assessment of Self-Care ability

Communication methods and special considerations

Mobility (physically challenged, cast), assessment of Self-Care ability:

Communication methods and special considerations

Mental state (mentally challenged), assessment of Self-Care ability;
Communication methods and special considerations:
Respiration (distress); Types, Assessment, management
Comfort – (Pain)-Nature, Types, factors influencing Pain, Coping,
Assessment, Management;
Treatments related to gastrointestinal system: nasogastric suction, gastric
irrigation, gastric analysis

XV Care of Terminally ill patient

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

XVI Professional Nursing concepts and practices

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

Department of Nursing
P.K.University
Paper Code BSC-N-104: Psychology

Time : Theory - 60 hrs.

Unit	Content
I	Introduction <ul style="list-style-type: none">● History and origin of science of psychology● Definitions & Scope of Psychology● Relevance to nursing● Methods of Psychology
II	Biology of behaviour <p>Body mind relationship modulation process in health and illness Genetics and behaviour: Heredity and environment' Brain and behaviour: Nervous system, Neurons and synapse, Association with cortex, Rt and Lt Hemispheres Psychology of Sensations Muscular and glandular controls of behaviour Nature of behaviour of an organism/Integrated response</p>
III	Cognitive processes <p>Attention: Types, determinants, Duration & degree, alterations Perception: Meaning, Principles, factors affecting, Errors, Learning: Nature, Types, learner and learning, factors influencing, laws and theories, process, transfer, study habits Memory: Meaning, Types, Nature, factors influencing, Development Theories and methods of memorizing and Forgetting Thinking: Types and levels, stages of development, Relationship with language and communication Intelligence: Meaning, classification, uses, theories Aptitude: Concept, types Individual differences and variability Psychometric assessment of cognitive processes Alterations in cognitive processes Applications</p>

IV **Motivation and Emotional Processes**

Motivation: Meaning, concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution

Emotions & stress

Emotion: Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness

Stress: stressors, cycle, effect, adaptation & coping

- Attitude: Meaning, nature, development, factors affecting,

Behaviour and attitudes

Attitudinal change

Psychometric assessments of emotions and attitudes

Alterations in emotions

Application

Personality

- Definitions, topography, types, theories

Psychometric assessments of personality

Alterations in personality

Applications

VI **Development Psychology**

Psychology of people at different ages from infancy to old age

Psychology of vulnerable individuals – challenged, woken, sick, etc.

Psychology of groups

VII **Mental hygiene and mental Health**

Concepts of mental hygiene and mental health

Characteristics of mentally healthy person

Warning signs of poor mental health

Promotive and preventive mental health strategies and services

Ego Defense mechanisms and implications

Personal and social adjustments

Guidance and counseling

Role of nurse

VIII **Psychological assessment & tests**

Types, development, Characteristics, Principles, Uses, Interpretations and role of nurse in psychological assessment

Department of Nursing
P.K.University
Paper Code BSC-N-105: Microbiology

Time : Theory - 60 hrs. (Theory 45+15 lab)

Unit

Content

Introduction:

- Importance and relevance to nursing
- Historical perspective
- Concepts and terminology
- Principles of microbiology

II General Characteristics of Microbes

- Structure and classification of microbes
- Morphological types
- Size and forms of bacteria
- Motility
- Colonization
- Growth and nutrition of microbes
 - Temperature
 - Moisture
 - Blood and body fluids
- Laboratory methods for Identification of Microorganisms
- Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation
- Culture; various medias

III Infection Control

- Infection: Sources, portals of entry and exit, transmission
- Asepsis
- Disinfections; Types and methods
- Sterilization; types and methods
- Chemotherapy and antibiotics
- Standard safety measures
- Biomedical waste management

Role of Nurse

Hospital acquired infection

Hospital infection control programme

Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc.

IV **Pathogenic organisms**

Micro-organism

- Cocci-gram positive and gram negative
- Bacilli-gram positive and gram negative
- Spirochete
- Mycoplasma
- Rickettsiae
- Chlamydiae

Viruses

Fungi-Superficial and Deep mycoses

Rodents & vectors Characteristics, Source, portal of entry, transmission of infection

Identification of disease Producing micro-organisms

Collection, handling and transportation of various specimens

V **Immunity**

Immunity – Types, classification

Antigen and antibody reaction

Hypersensitivity – skin test

Serological test

Immunoprophylaxis

Vaccines & sera-Types & classification, storage and handling, cold chain

Immunization for various disease

Immunization Schedule

Department of Nursing
P.K.University
Paper Code: BSC-N-106: English

Time: Theory - 60 hrs.

Unit	Content
I.	<ul style="list-style-type: none">● Review of Grammar● Remedial study of Grammar● Building Vocabulary● Phonetics● Public Speaking
II.	<ul style="list-style-type: none">● Read and comprehend prescribed course books
III.	<ul style="list-style-type: none">● Various forms of composition<ul style="list-style-type: none"><input type="checkbox"/> Letter writing<input type="checkbox"/> Note taking<input type="checkbox"/> Précis writing<input type="checkbox"/> Nursing notes<input type="checkbox"/> Anecdotal records<input type="checkbox"/> Diary writing<input type="checkbox"/> Reports on health problems etc.<input type="checkbox"/> Resume/CV
IV.	<ul style="list-style-type: none">● Spoken English<ul style="list-style-type: none">Oral reportDiscussionDebateTelephone conversation
V.	<ul style="list-style-type: none">● Listening Comprehension<ul style="list-style-type: none">Media, audio, video, speeches etc.

Department of Nursing
P.K.University
Paper Code BSC-N-107: Introduction to Computer

Time : Theory – 45 Hrs.

Unit	Content
	Introduction:
	<ul style="list-style-type: none">● Concepts of computers Hardware and software; trends and technology Application of computer in nursing
II ●	Introduction to disk operating system
	<ul style="list-style-type: none">□ DOS□ Windows (all version)
	Introduction
	<ul style="list-style-type: none">□ MS-Word□ MS-Excel with pictorial presentation□ MS-Access□ MS-Power Point
III	<ul style="list-style-type: none">● Multimedia; types & uses● Computer aided teaching & testing
IV	<ul style="list-style-type: none">● Use of Internet and: e-mail
V	<ul style="list-style-type: none">● Statistical packages: Types and their features
VI	<ul style="list-style-type: none">● Hospital Management system: Types and uses

Department of Nursing
P.K.University
Paper Code BSC-N-108: Nursing Foundations
Practical

Time : Practical - 650 hrs.
(200 lab and 450 clinical)

Unit	Skills to be developed
I	Hospital Admission and discharge <ul style="list-style-type: none">● Admission● Prepare unit for new patient● Prepare admission bed● Performs admission procedure<ul style="list-style-type: none"><input type="checkbox"/> New patient<input type="checkbox"/> Transfer in● Prepare patient records Discharge/Transfer out <p>Gives discharges counseling</p> <p>Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfer)</p> <p>Prepare records of discharge/transfer</p> <p>Dismantle, and disinfect unit and equipment after discharge/transfer</p> Perform Assessment <p>History taking, Nursing diagnosis, problem list, prioritization, Goals & Expected Outcomes, selection of interventions</p> <p>Write nursing care plan</p> <p>Gives care as per the plan</p> Communication <p>Use verbal and non verbal communication techniques</p> Prepare a plan for patient teaching session
	Write patient report <p>Change – shift reports, Transfer reports, Incident reports etc.</p> <p>Presents patient report</p>

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

Heath Assessment

Health history taking

Perform assessment:

General

Body systems

Use various methods of physical examination

Inspection, Palpation, Percussion, Auscultation, Olfaction

Identification of system wise deviations

Prepare Patient's Unit:

- Prepare beds:
 - Open, closed, occupied, operation, amputation
 - Cardiac, fracture, burn, Divided, Fowlers, renal bed
- Pain assessment and provision for comfort

Use comfort devices Hygienic care:

Oral hygiene:

Baths and care of pressure points

Hair wash, Pediculosis treatment

Feeding:

Oral, Enteral, Naso/orogastric, gastrostomy and Parenteral feeding

Naso-gastric insertion, suction, and irrigation

Assisting patient in urinary elimination

Provides urinal/bed pan

Condom drainage

Perineal care

Catheterization

Care of urinary drainage

Bladder irrigation Assisting bowel Elimination:

Department of Nursing
P.K.University
Second Year
Paper Code BSC-N-201: Sociology

Time : Theory – 60 Hrs.

Unit	Content
	Introduction:
1 hrs.	<ul style="list-style-type: none">● Definition of SociologyNature and Scope of the disciplineImportance and application of Sociology in Nursing
	II. Individual & Society
3 hrs.	<ul style="list-style-type: none">● Social and community● Nature of SocietyDifference between Society and communityProcess of Socialization and individualizationPersonal disorganization
	III. Culture
3 hrs.	<ul style="list-style-type: none">● Nature of cultureEvolution of cultureDiversity and uniformity of cultureBiodiversity and its conservation<ul style="list-style-type: none">Definition-definition, species and ecosystem diversityBiogeographical classification of IndiaValue of biodiversity: consumptive use, productive use, social ethical, aesthetic and option valuesBiodiversity at global, National and local levels, hotspotsThreats : habitat loss, poaching of wildlife, man-wildlife conflictsEndangered and endemic species of IndiaConservation of Biodiversity: In-situ and ex-situ conservation of biodiversity.Culture and socializationTranscultural society

Influence on health and disease

IV. Social groups and Processes

- 4 hrs. ● The meaning and classification of groups
- Primary & Secondary group
 - In-group V/s. Out-group, class Tribe, Caste
 - Economic, Political, Religious groups, Mob, Crowd, Public and audience Interaction & Social Processes
 - Co-Operation, Competition, Conflict
 - Accommodation, Assimilation & Isolation

Population

- 6 hrs ● 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 programme

VI. Family and Marriage

- 5 hrs. ● Family –functions
- Types-joint, Nuclear, Blended and extended family:
 - The modern Family-Changes, Problems-Dowry etc., Welfare Services
 - Changes & legislations on family and marriage in India-marriage acts
 - Marriage: Forms and functions of marriage,
 - Marriage and family problems in India
 - Family, marriage and their influence on health and health practices

VII. Social Stratification

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

VIII Types of Communities in India (Rural, Urban and Regional)

- 6 hrs ● 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 practice
 - Urban-Community – features
 - The growth of cities: Urbanization and its impact on health and health practices
 - Major Urban problems – Urban slums, Energy problem, water problem
 - Environmental pollution: cause effect, control and prevention.
 - Region: Problems and impact on Health

IX **Social Change**

- 4 hrs ● Nature and process of social change
- Factors influencing social change: cultural change, cultural lag.
 - Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional
 - Resentment and rehabilitation of people, its problems and concern
- Role of nurse-Change agents

Social organization and social system

- 4 hrs ● Social organization: elements, types
- Democratic and authoritarian modes of participation
 - Voluntary associations
 - Social system: definition and Types of social system
 - Role and status as structural elements of social system
 - Inter-relationship of institution

XI **Social Control**

- 2 hrs ● Nature and process of social control
- Political, legal, Religious, Educational, Economic, Industrial and technological systems, Norms & Values-folkways & Mores customs, Laws and fashion
- Role of nurse

XII **Social Problem**

- 15 hrs ● Social disorganization
- Control & Planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance, abuse, HIV/AIDS.
- Social welfare programmes in India.
Role of Nurse.

Department of Nursing
P.K.University
Paper Code BSC-N-202: Medical Surgical Nursing
(Adult including Geriatrics) – I

Time : Theory - 210 hrs.
Practical - 720 hrs.

Unit	Content
I 15 hrs.	<p>Introduction:</p> <ul style="list-style-type: none">● Introduction to medical surgical nursing – Evolution and trends of medical and surgical nursing <p>Review of Concepts of Health and illness, Disease – concepts, causations, classification- International Classification of Diseases (ICD – 10 or later version), Acute illness chronic illness & Terminal illness, stages of illness</p> <p>Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.</p> <p>Role of nurse, patient and family in care of adult patient</p> <p>Role and responsibilities of a nurse in medical surgical settings:</p> <ul style="list-style-type: none">Outpatient departmentIn-patient unitIntensive care unit.Home and community setting <p>Introduction to medical surgical asepsis</p> <ul style="list-style-type: none">Inflammation and infectionImmunityWound healing <p>Care of surgical patient</p> <ul style="list-style-type: none">Pre-operativeIntra operativePost operative

Common signs and symptoms and management

- 15 hrs.
- Fluid and electrolyte imbalance
 - Vomiting
- Dyspnea and cough, respiratory obstruction
- Fever
- Shock
- Unconsciousness, syncope
- Pain
- Incontinence
- Edema
- Age related problems-geriatric

III Nursing management of patients (adults including elderly) with respiratory problems

- 20 hrs.
- Review of anatomy and physiology of respiratory system
 - Nursing assessment – History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetic & nursing management of adults including elderly with –
- Upper Respiratory tract infections
 - Bronchitis
 - Asthma
 - Emphysema
 - Atelectasis
 - Chronic Obstructive Pulmonary Disease (COPD)
 - Bronchiectasis
 - Pneumonia
 - Pulmonary tuberculosis
 - Lung abscess
 - Pleural effusion
 - Cysts and tumours
 - Chest Injuries
 - Respiratory arrest and insufficiency
 - Pulmonary embolism

Special therapies, alternative therapies

Nursing procedures

Drugs used in treatment of respiratory disorders

IV **Nursing Management of patient (adults including elderly) with disorders of digestive system**

30
hrs.

- Review of anatomy and physiology of digestive system
- Nursing assessment-history and physical assessment
- Etiology, pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management
- Disorders of
 - Oral cavity-lips, gums tongue, salivary glands and teeth
 - Oesophagus – inflammation, stricture, obstruction, bleeding and tumours
 - Stomach and duodenum hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis.
 - Small intestinal disorders- inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation
 - Large intestinal disorders- colitis, inflammation and infection, obstruction and tumour and lump
 - Hernias
 - Appendix-inflammation, mass, abscess, rupture
 - Anal & Rectum; hemorrhoids, fissures, fistulas
 - Peritonitis/acute abdomen
 - Pancreas; inflammation, cyst, abscess and tumours
 - Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours
 - Gall Bladder; inflammation, obstruction, stones and tumours

Special therapies, alternative therapies

Nursing procedures

Drugs used in treatment of disorders of digestive system

V **Nursing management of patient (adults including elderly) with blood and cardio vascular problems**

30
hrs.

Review of anatomy and physiology of blood and cardio vascular system,
Nursing Assessment-History and physical assessment
Etiology, Pathophysiology, clinical manifestation diagnosis, treatment modalities
and medical, surgical, dietetics & nursing management of -

Vascular system

Hypertension, hypotension
Artherosclerosis
Raynaud's disease
Aneurism and peripheral Vascular disorders

Heart

Coronary artery diseases

- Ischemic Heart Disease
- Coronary atherosclerosis

Angina pectoris
Myocardial infarction

Valvular disorders of the heart

Congenital and acquired
Rheumatic Heart disease

Endocarditis, pericarditis, Myocarditis

Cardio Myopathies

Cardiac dysrhythmias, Heart Block

Congestive cardiac failure

Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade

Cardiac emergencies and arrest

Cardio Pulmonary Resuscitation (CPR)

Blood

Anaemias
Polycythemia
Bleeding disorders; clotting factor defects and platelets defects
Thalassemia

Leukaemias

Leukopenias and agranulocytosis

Lymphomas

Myelomas

Special therapies

Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.

Management and counseling of blood donors, phlebotomy procedure, and post donation management, blood bank functioning and hospital transfusion committee.

Role of a nurse in Organ donation, retrieval and banking

Alternative therapies

Nursing procedures

Drugs used in treatment of blood and cardio vascular disorders

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

10
hrs.

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

Special therapies, Alternative therapies

Nursing procedures

Drug used in treatment of genito urinary disorders

VII Nursing management of disorders of male (adults including elderly) reproductive

5 hrs. **system**

Review of anatomy and physiology of male reproductive system

- Nursing Assessment-History and physical assessment

Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of male reproductive system

Congenital malformations cryptorchidism

Hypospadiasis, Epispadiasis

Infections

Testes and adjacent structures

Prostate: inflammation, infection, hypertrophy, tumour

Sexual Dysfunction

Contraception

Breast; gynecomastia, tumour

Climacteric changes, special therapies, alternative

therapies Nursing procedures

Drugs used in treatment of disorders male reproductive system

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

10 hrs.

- Review of anatomy and physiology of endocrine system
- Nursing Assessment – History and Physical assessment

Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of -

Disorders of thyroid and parathyroid

Diabetes mellitus

Diabetes insipidus

Adrenal tumour

Pituitary disorders,

Special therapies, alternative therapies

Nursing procedure

Drug used in treatment of disorders of endocrine system

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

10 hrs.

- Review of anatomy and physiology of skin and its appendages
- Nursing Assessment-History and physical assessment
- Etiology, Pathophysiology, diagnosis, treatment modalities and medical, surgical dietetics & nursing management of disorders of skin and its appendage –
 - Lesions and abrasions
 - Infection and infestations; Dermatitis
 - Dermatoses; infectious and non infectious “inflammatory dermatoses”
 - Acne Vulgaris
 - Allergies and Eczema
 - Psoriasis
 - Malignant melanoma
 - Alopecia

Special therapies, alternative therapies

Nursing procedures

Drugs used in treatment of disorders of Integumentary system

Nursing management of patient (adults including elderly) with musculoskeletal problems

- Review of anatomy and physiology of musculoskeletal system,

Nursing Assessment-History and Physical assessment

Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of -

- Muscles, Ligaments and joints-inflammation, infection, trauma
- Bones inflammation, infection, dislocation, fracture, tumour and trauma
- Osteomalacia and osteoporosis
- Arthritis
- Congenital deformities
- Spinal column – defects and deformities, tumor, Prolapsed inter vertebral disc, pott’s spine

Paget's disease

Amputation

Prosthesis

Transplant & replacement surgeries

Rehabilitation

Special therapies,

- Alternative therapies

Nursing procedures

Drugs used in treatment of disorders of musculoskeletal system

XI **Nursing management of patient (adult including elderly) with Immunological problems**

10
hrs.

- Review of Immune system,
- Nursing Assessment – History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of –
- Immunodeficiency disorder
- Primary immuno deficiency
- Phagocyte dysfunction
- B-cell and T-cell deficiencies
- Secondary immunodeficiency
- Acquired Immuno Deficiency Syndrome (AIDS)
- Incidence of HIV & AIDS
- Epidemiology
- Transmission – prevention of Transmission
- Standard Safety precautions' role of Nurse; Counseling
- Health education and home care consideration
- National AIDS control program – NACO, various national and international agencies
- Infection control program
- Rehabilitation

Special therapies, alternative therapies

Nursing procedures

Drugs used in treatment of disorders of immunological system

XII Nursing management of patient (adults including elderly) with Communicable Diseases

20
hrs.

Overview of infectious disease, the infectious process

Nursing Assessment – History and physical assessment

Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common communicable disease –

- Tuberculosis
- Diarrhoeal diseases
- Hepatitis A-E
- Herpes
- Chickenpox
- Smallpox
- Typhoid
- Meningitis
- Gas gangrene
- Leprosy
- Dengue
- Plague
- Malaria
- Diphtheria
- Pertussis
- Poliomyelitis
- Measles
- Mumps
- Influenza
- Yellow fever
- Filariasis
- HIV, AIDS

Reproductive Tract Infections

Special Infection Control measures; Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals

Special therapies, alternative therapies

Nursing procedures

Drugs used in treatment of Communicable diseases

XIII Peri Operative nursing:

25 Organisation and Physical set up of the Operation Theatre (OT):
hrs.

Classifications

O.T. Design

Staffing

Members of the OT team.

Duties and responsibilities of nurse in O.T.

Principles of Health and operating room attire

Instruments

Sutures and suture materials

Equipments

O.T. tables and sets for common surgical procedures

Positions and draping for common surgical procedures

Scrubbing procedures

- Gowning and gloving
- Preparation of O.T. Sets
- Monitoring the patient during surgical procedures

Maintenance of therapeutic environment in O.T.

Standard Safety measures

- Infection control; fumigation, disinfections and sterilization
- Biomedical waste management
- Prevention of accidents and hazards in O.T.

Anesthesia

- Types
- Methods of administration
- Effects and stages
- Equipments
- Drugs
- Cardio Pulmonary Resuscitation (CPR)
- Pain management techniques

Legal Aspects

Department of Nursing
P.K.University
Paper Code BSC-N-203: Pharmacology, Pathology &
Genetics

Pharmacology

Time : Theory – 45 Hrs.

Unit	Content
	Introduction to pharmacology
3 hrs.	<ul style="list-style-type: none">● Definitions● Sources● Terminology used● Types: Classification● Pharmacodynamics : Actions, therapeutic.● Adverse, toxic <p>Pharmacokinetics: absorption, distribution, excretion</p> <p>Review: Routes and principles of administration of drugs</p> <p>Indian pharmacopoeia: Legal issues</p> <p>Rational use of drug</p> <p>Principles of therapeutics</p>
	II. Chemotherapy
	Pharmacology of commonly used:
6 hrs.	<ul style="list-style-type: none"><input type="checkbox"/> Penicillin<input type="checkbox"/> Cephalosporins<input type="checkbox"/> Aminoglycosides<input type="checkbox"/> Macrolide & Broad Spectrum Antibiotics<input type="checkbox"/> Sulfonamides<input type="checkbox"/> Quinolones<input type="checkbox"/> Antiamoebic<input type="checkbox"/> Antimalarials<input type="checkbox"/> Anthelmintics<input type="checkbox"/> Antiscabies agents

- Antiviral & Anti-fungal agents
- Antitubercular drugs
 - Anti leprosy drugs
 - Anticancer drugs
 - Immuno-suppressants

Composition, actions, dosage, route, indications, contraindications, drugs interactions, side effects, adverse effects, toxicity and role of nurse

Pharmacology of commonly used antiseptics, disinfectants and insecticides

- 2 hrs. ● Antiseptics; Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse
- Disinfectants
 - Insecticides

IV Drugs acting on G.I. system

- 2 hrs. ● Antiemetics
- Emetics
 - Purgatives
 - Antacids
 - Cholinergic
 - Anticholinergics
 - Fluid and electrolyte therapy
 - Antidiarrhoeals
 - Histamines

Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

Drugs used on Respiratory Systems

- 2 hrs. ● Pharmacology of commonly used –
- Antiasthmatics
 - Muxoltrixa
 - Decongestants
 - Expectorants
 - Expectorants
 - Antitussives

Bronchodilators

Broncho constrictors

Antihistamines

Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

VI Drugs used on urinary system

2 hrs. ● Pharmacology of commonly used-

Diuretics and antidiuretics

Urinary antiseptics

Cholinergic and anticholinergics

Acidifiers and alkalinizes

Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

VII Miscellaneous

4 hrs. ● Drugs used in de-addiction

Drug used in CPR and emergency

Vitamins and minerals

Antidotes

Antivenom

Vaccines and sera

VIII Drugs used on skin and mucous membranes

1 hrs. ● Topical applications for skin, eye, ear, nose and buccal cavity Antipruritics

Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

IX Drugs acting on nervous system

8 hrs. ● Basic & applied pharmacology of commonly used: Analgesics and Anaesthetics

Analgesics

Non steroidal antiinflammatory (NSAID) drugs

Antipyretics

Hypnotics and Sedatives

Opioids

Non-Opioids

Tranquilizers

General & local anesthetics

Gases: oxygen, nitrous oxide, carbon-dioxide

Cholinergic and anti-cholinergics:

Muscle relaxants

Major tranquilizers

Anti – psychotic

Antidepressants

Anticonvulsants

Adrenergics

Noradrenergics

Mood stabilizers

Acetylcholine

Stimulants

Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

Cardiovascular drugs

- 5 hrs.
- Haematinics
 - Cardiotonics
 - Anti anginals
 - Anti-hypertensives & Vasodilators
 - Anti-arrhythmics
 - Plasma expanders
 - Coagulants & anticoagulants
 - Coagulants & anticoagulants
 - Hypolipidemics

Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

XI Drugs used for hormonal disorders and supplementations, contraception and medical termination of pregnancy

- 4 hrs.
- Insulins & Oral hypoglycemics
 - Thyroid supplements and suppressants
 - Steroids, Anabolics
 - Uterine stimulants and relaxants
 - Oral contraceptives
 - Other estrogen-progesterone preparations
 - Corticotrophin & Gonadotrophins

Adrenaline
Prostaglandins
Calcitonins
Calcium salts
Calcium regulators

Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

XII Introduction to Drugs use in alternative systems of medicine:

6 hrs. ● Ayurveda, Homeopathy, Unani and Siddha etc

Pathology and Genetics

Section A- Pathology

Time: Theory – 45 hours (Pathology 30 & Genetics 15 hrs)

Unit

Content

I ● Introduction

3 hrs.

- Importance of the study of pathology
 - Definition of terms
 - Methods and techniques
 - Cellular and Tissue changes
 - Infiltration and regeneration
 - Inflammations and Infections
 - Wound healing
 - Vascular changes
 - Cellular growth, Neoplasm**
 - Normal and cancer cell
 - Benign and Malignant growths
 - In situ carcinoma
- Disturbance of fluid and electrolyte imbalance

II Special pathology

10hrs.

- Pathological changes in disease conditions of various system:
- **Respiratory tract**

Metastatic tumour

Skeletal system

- Bone healing, osteoporosis, osteomyelitis Arthritis & tumours

III Clinical Pathology

Various blood and bone marrow tests in assessment and monitoring of disease conditions

- 4 hrs. (T) Hemoglobin
- RBC, White cell & platelet counts
- Bleeding time, clotting time and prothrombine time
- 3 hrs. Blood grouping and cross matching
- Blood chemistry

Blood culture

Serological and immunological tests

Other blood tests

- Examination of Bone marrow

Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal value

IV Examination of body cavity fluids, transudates and exudates

- hrs. (T)
 - The laboratories tests used in CSF analysis
 - Examination of other body cavity fluids, transudates and exudates – sputum, wound discharge etc.
- 1 hrs. (P)
 - Analysis of semen-sperm count, motility and morphology and their importance in infertility
 - Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values

Urine and faeces

- 1 hrs. (T)
 - Urine
 - Physical characteristics
 - Analysis
 - Culture and sensitivity
- 1 hrs. (P)
 - Faeces
 - Characteristics
 - Stool examination: occult blood, ova, parasite and cyst, reducing substance etc.
 - Methods of collection for various tests, inference and normal values

Section B- Genetics

Time : Theory – 15 Hrs.

Unit	Content
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Introduction

- | | |
|--------|--|
| 3 hrs. | <ul style="list-style-type: none">● Practical application of genetics in Nursing● Impact of genetic conditions on families <ul style="list-style-type: none">Review of cellular division mitosis and meiosisCharacteristics and structure of genesChromosomes – Sex determination<input type="checkbox"/> Chromosomal aberrations patterns of inheritance<input type="checkbox"/> Multiple allots and blood groups<li style="padding-left: 20px;">Sex linked inheritance<input type="checkbox"/> Mechanism of inheritance<li style="padding-left: 20px;">Errors in transmission (Mutation) |
|--------|--|

II Maternal, prenatal and genetic influences on development of defects and disease

- | | |
|--------|---|
| 3 hrs. | <ul style="list-style-type: none">● Condition affecting the mother: genetic and infectionsConsanguinity atopyPrenatal nutrition and food allergies.Maternal ageMaternal drug therapyPrenatal testing and disgnosisEffect of Radiation, drugs and chemicalsSpontaneous abortionNeural tube defects and the role of folic acid in lowering the risksDown syndrome (Trisomy 21) |
|--------|---|

III Genetic testing in the neonates and children

- | | |
|--------|--|
| 2 hrs. | <ul style="list-style-type: none">● Screening for<ul style="list-style-type: none">Congenital abnormalitiesDevelopmental delayDimorphism |
|--------|--|

IV Genetic conditions of adolescents and adults 2 hrs.

● Cancer genetics – Familial cancer

Inborn errors of metabolism hematological disorder

Genetic haemochromatosis

Huntington's disease

Metal illness

V Services related to Genetics

2 hrs.

● Genetic testing

● Human genome project

Gene therapy

The Eugenics movement

Genetic counseling

Legal and Ethical issues

Role of nurse

Department of Nursing
P.K.University
Paper Code BSC-N-204: Community Health Nursing-
I Theory

Placements: Second year

Time : Theory - 90 Hours
Practical – 135 Hours

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

Unit

Content

Introduction

- 2 hrs.
- Community health nursing
 - Definition, concept and dimensions of health
 - Definition, scope and importance of environment health
 - Need for public awareness.
 - Promotion of health
 - Maintenance of health

II. Determinants of health

- 20 hrs
- Eugenics
 - Ecosystem
 - Concept of an ecosystem
 - Structure and function of an ecosystem
 - Producers, consumers and decomposers
 - Energy flowing the ecosystem
 - Ecological Succession
 - Food chains, food webs and ecological pyramids
 - Introduction, types, characteristics features, structure and function of the following ecosystem :-
 - a. Forest ecosystem
 - b. Grassland ecosystem
 - c. Desert ecosystem
 - d. Aquatic ecosystem (ponds, streams, lakes, rivers, oceans, estuaries)

- Environment:
 - Physical: Land, Air, light, ventilation, Water, Housing, Mineral resources, Energy resources, Sanitation: disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication: Infrastructure facilities and Linkages
 - Acts regulating the environment: National Pollution Control Board
 - Bacterial & viral: Agents, host carriers and immunity
 - Arthropods and Rodents
 - Environmental ethics: Issues & Possible solutions.
 - Climate change: Global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.

Food hygiene: Production, preservation, purchases, preparation, consumption

Acts regulating food hygiene prevention of food adulteration act, Drugs and cosmetic act

Socio-cultural

- Customs, taboos
- Marriage system
- Family structure
- Status of special groups; females, children, Elderly, challenged groups and sick persons

Life Style – Equitable use of resources for sustainable life style

Hygiene

Physical activity

- Recreation and sleep
- Sexual life
- Spiritual life philosophy
- Self reliance
- Dietary pattern
- Education
- Occupation

Financial Management

Income

Budget

Purchasing power

Security

Epidemiology

- 10 hrs ● Definition, concept, aims, scope, uses and terminology used in epidemiology
- Dynamics of disease transmission: epidemiological triad
- Morbidity and mortality: measurements
- Levels of prevention
- Methods of epidemiology of
- Descriptive
 - Analytical: Epidemic Investigation
 - Experimental

IV Epidemiology and nursing management of Common Communicable

- 25 hrs ● Respiratory infections
- Small Pox
 - Chicken Pox
 - Measles
 - Influenza
 - Rubella
 - ARI's & Pneumonia
 - Mumps
 - Diphtheria
- Whooping cough
- Meningococcal meningitis
- Tuberculosis
- SARS
- Intestinal Infections
- Poliomyelitis
 - Viral Hepatitis
 - Cholera
 - Diarrhoeal diseases
 - Typhoid fever
 - Food poisoning

Amoebiasis

Hook worm infection

Ascariasis

Dracunculiasis

Arthropod infections

Dengue

Malaria

Filariasis

Zoonoses

- Viral

- Rabies

- Yellow fever

- Japanese encephalitis

- Kyansur forest disease

Bacterial

- Brucellosis

- Plague

- Anthrax

- Leptospirosis

Rickettsial diseases

- Rickettsial zoonoses

- Scrub typhus

- Murine typhus

- Tick typhus

- Q fever

Parasitic zoonoses

- Taeniasis

- Hydatid disease

- Leishmaniasis

Surface infection

- Trachoma

- Tetanus

- Leprosy

- STD & RTI

- Yaws

HIV/AIDS

Any Other

Epidemiology and Nursing Management of non Communicable Diseases

10 hrs ● Malnutrition: under nutrition, over nutrition, nutritional deficiencies

Anaemia

Hypertension

Cancer

Diabetes mellitus

Blindness

Accidents

Mental illness

Iodine Deficiency

Fluorosis

Epilepsy

VI Demography

- 6 hrs ● Definition, concept and scope
- Methods of collection, analysis and interpretation of demographic data
 - Demographic rates and ratios

VII Population and its control

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

Department of Nursing
P.K.University
Paper Code BSC-N-205: Communication & Educational
Technology

Time: Theory - 90 Hours

Unit	Content
I.	Review of Communication process
5 hrs	<ul style="list-style-type: none">● Process; elements and channel<ul style="list-style-type: none">FacilitatorsBarriers and methods of overcoming techniques
	II Interpersonal relations
5 hrs	<ul style="list-style-type: none">● Purpose & Types● Phases<ul style="list-style-type: none">Barriers & Methods of overcomingJohari Window
	III Human relations
5 hrs	<ul style="list-style-type: none">● Understanding self● Social behaviour, motivation, social attitudes● Individual and groups● Groups & individual● Human relations in context of Nursing● Group dynamics● Team work
IV	Guidance & conselling
	Definition
10 hrs	<ul style="list-style-type: none">● Purpose, scope and need● Basic principles<ul style="list-style-type: none">Organization of counseling services
5 hrs	
(P)	<ul style="list-style-type: none">● Types of conselling approaches● Role and preparation of counselor● Issues for counseling in nursing: students and practitioners● Counselling process- steps & techniques, tools of counselor● Managing disciplinary problems● Management of crisis & referral

Principle of education & teaching learning process

- 5 hrs
- Education: meaning, philosophy, aims, functions & principles
 - Nature and characteristics of learning,
 - Principles and maxims of teaching,
 - Formulating objectives; general and specific
 - Lesson planning
 - Classroom Management

VI Methods of teaching

- 10 hrs
(T)
- Lecture, demonstration, group discussion, seminar, symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching, problem based learning, self instructional module and simulation etc.
- 10 hrs
(P)
- Clinical teaching methods: case method, nursing round & reports, bedside clinical presentation, conference (individual & group) process recording.

VII Educational Media

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

VIII Assessment

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

- IX **Information, Education & Communication for health (IEC)**

- 5 hrs● Health behaviour & health education

- Planning for health education
- Health education with individuals, groups & communities
- Communicating health messages

Methods & media for communicating health messages

Using mass media

Department of Nursing
P.K.University
Medical Surgical Nursing
Paper Code BSC-N-206: (Adult including Geriatrics-I)
Practical

Time : Practical - 720 Hours

Unit

Skill to be developed

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

Urinary Drainage

Maintain Intake, output and documentation

Counsel and teach related to teach related to specific disease

conditions II ● Practice medical surgical asepsis Standard safety measures

Pre operative preparation of patients

Post operative care- Receiving patient, assessment, monitoring, care

- Care of wounds and drainage,
- Suture removal
- Ambulation and exercise

Naso gastric aspiration

Care of chest drainage

Ostomy care

Gastrostomy

Colostomy

Blood and component therapy

Practice universal precautions

III. ● Physical examination of the cardio vascular system Recording and interpreting ECG

- Monitoring of patients
- Preparation and assisting in non-invasive and invasive diagnosis procedures.
- Administer cardiac drugs
- Cardio pulmonary Resuscitation
- Teaching patients and families
- Practice medical and surgical asepsis- Standard safety measures

IV.

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

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

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

Internship

Time: 430 hours (9 weeks)

Areas: ICU, CCU, CARDIAC OT, Neuro ICU, ITU, OT, Burn and plastic Reconstructive surgery, OT Laproscopic ortho- paedic eye ENT

Duration (in week)	Objectives	Skills to be developed	Assignments	Assessment Methods
2	<ul style="list-style-type: none"> ● To gain proficiency in ICU nursing ● Develop advance skill in special procedures used in critical care Unit ● Identify potential problems and provide accordingly. ● Skill in setting and handling ventilator ● Administer injection 	<ul style="list-style-type: none"> ● Assist in arterial puncture for blood gas analysis. ● Perform ECG and interpret accordingly. ● Conduct and analysis of pulse oximetry. ● Care with artificial airway. ● Care with artificial intubation. ● Setting up ventilator. ● Giving care in ventilator. ● Drug sheet 	<ul style="list-style-type: none"> ● Article puncture-5 ● Taking out ECG stripe -5 ● Tracheal suction -5 ● For all assigned patients. ● Oxygen administration by CPAP mask and use Ambu bag. ● Assessment for all assigned 	<ul style="list-style-type: none"> ● Record book. ● Checking with supervisor

	<ul style="list-style-type: none"> in infusion pump. Record accurately findings and medications. Develop IPR with family members. Acquaint with OT technique. 	<ul style="list-style-type: none"> Observation of special procedure in OT. 		
2	<ul style="list-style-type: none"> Develop skill in neurological assessment. Give care to the patient with head injury and spinal injury. Care with chest surgery and cranial surgery. 	<ul style="list-style-type: none"> Assess neurological status Implement care to head injury and spinal injury patients Drug sheet Pre and postoperative care with neuro surgery patients. 	<ul style="list-style-type: none"> Assessment for all assigned patients. Nursing care plan-2 Drug sheet 	<ul style="list-style-type: none"> Record book Observation checklist.
2	<ul style="list-style-type: none"> Assess the severity of burns. Administer rehydration therapy. Observe reconstructive surgery 	<ul style="list-style-type: none"> Nursing care 		
3	<ul style="list-style-type: none"> Identify instruments Assist in OT set Up Supervise sterilization Assist in OT table lay out. Observe immediately after operation. Supervise infection control. 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Assist-5 cases 	<ul style="list-style-type: none"> Record book

Department of Nursing
P.K.University
Community Health Nursing – I
Practical

Time : Practical - 135 Hours

Areas: Urban and Rural Community

Unit	Skill to be develop
	<ul style="list-style-type: none">● Use Techniques of interpersonal relationship<ul style="list-style-type: none">● Identification of health determinants of community
Urban 2 weeks	<ul style="list-style-type: none">● History taking● Physical examination● Collect specimen sputum, malaria smear Perform simple lab tests at centre-blood for Hemoglobin and sugar, urine for albumin and sugar
Rural 2 weeks	<ul style="list-style-type: none">● Administer vaccines and medications to adults● Counsel and teach individual, family and community Nutrition Hygiene Self health monitoring Seeking health services Healthy life style Family welfare methods Health promotion

Department of Nursing
P.K.University

Third Year

Paper Code BSC-N-301:Medical Surgical Nursing
(Adult including Geriatrics) – II

Time : Theory - 120 hrs.

Practical - 270 hrs.

Unit

Content

Nursing management of patient with disorders of Ear Nose and Throat.

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

Nursing management of patient with disorders of eye

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

Nursing management of patient with neurological disorders

- 16 hrs.
- Review of anatomy and physiology of the neurological system
 - Nursing Assessment – History, Physical and neurological assessment and Glasgow coma scale
 - Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders
 - Congenital malformations
 - Headache
 - Spinal Injuries:**
 - Paraplegia
 - Hemiplegia
 - Quadraplegia
 - Spinal cord compression-herniation of intervertebral disc
 - Tumors of the brain & spinal cord
 - Intra cranial and cerebral aneurysms
 - Infections:
 - Menigitis, Encephalitis, Brain abscess, neurocysticercosis
 - Movement disorders
 - Chorea
 - Seizures
 - Epilepsies

Cerebro Vascular Accidents (CVA)
Cranial, Spinal Neuropathies- Bell's palsy, trigeminal neuralgia
Peripheral Neuropathies; Guillain-Barr'e Syndrome
Myasthenia gravis
Multiple sclerosis
Degenerative diseases
 Delirium
 Dementia
 Alzheimer's disease
 Parkinson's disease

Management of unconscious patients and patients with stroke
Role of the nurse in communicating with patient having neurological deficit
Rehabilitation of patients with neurological deficit
Role of nurse in long stay facility (institutions) and at home
Special therapies
Nursing procedures
Drugs used in treatment of neurological disorders

IV **Nursing management of patients with disorders of female reproductive system**

Review of anatomy and physiology of the female reproductive system
Nursing Assessment – History and Physical assessment

- 16 • Breast Self Examination
hrs. • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities
 and medical & surgical nursing management of disorders of female reproductive
 system

Congenital abnormalities of female reproductive system
Sexuality and Reproductive Health
Sexual Health Assessment
Menstrual Disorder ;
Dysmenorrhea, Amenorrhea, Premenstrual Syndrome
Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia
Pelvic Inflammatory Disease-
Ovarian and fallopian tube disorders; infections, cysts, tumours
Uterine and cervical disorders; Endometriosis, polyps, fibroids, Cervical and uterine
tumours, uterine displacement, Cystocele/Urethrocele/Rectocele
Vaginal disorders; Infections and Discharges, Fistulas
Vulvur disorders; Infections, cysts, tumours
Diseases of breasts; Deformities, Infections, Cysts and Tumours
Menopause and Hormonal Replacement Therapy
Infertility
Contraception; Types, Methods, Risk and effectiveness
 Spacing Methods
 Barrier methods, Intra Uterine Devices, Hormonal, Post conceptional
 Methods, etc.
 Terminal methods
 Sterilization
Emergency Contraception methods
Abortion – Natural, medical and surgical abortion – MTP Act

Toxic Shock Syndrome
Injuries and Trauma; Sexual violence
Special therapies
Nursing procedures
Drugs used in treatment of gynaecological disorders
National family welfare programme

Nursing management of patients with Burns, reconstructive and cosmetic surgery

- 10
hrs.
- Review of anatomy and physiology of the skin and connective tissues and various deformities
 - Nursing Assessment-History and physical assessment and assessment of burns and fluid and electrolyte loss
Etiology, classification, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Burns and Re-constrictive and Cosmetic surgery;
Type of Re-constructive and cosmetic surgery of burns, congenital deformities, injuries and cosmetic purposes.
Role of nurse
Legal aspects
Rehabilitation
Special therapies
 - Psycho social aspects
- Nursing procedures
Drugs used in treatment of Burns reconstructive and cosmetic surgery

VI **Nursing management of patients with oncological conditions**

- 10
hrs.
- Structure & characteristics of normal & cancer cells
 - Nursing Assessment-History and Physical assessment
 - Prevention, screening, Early detection, Warning signs of cancer
 - Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions
Common malignancies of various body system; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc
Oncological emergencies
Modalities of treatment
 - Immunotherapy
 - Chemotherapy
 - Radiotherapy
 - Surgical Interventions
 - Stem cell and bone marrow transplants
 - Gene therapy
 - Other forms of treatment
- Psychosocial aspects of cancer
Rehabilitation
Palliative care; symptom and pain management, nutritional support
Home care
Hospice care
Stomal therapy

Special therapy
Special therapies – Psycho – Social aspects
Nursing procedures

VII **Nursing management of patient in EMERGENCY & Disaster situations**

Disaster Nursing:

Concepts and principles of Disaster Nursing
Causes and Types of Disaster:

10 Natural and Man-made
hrs. Earthquakes, Floods, Epidemics, Cyclones

Fire, Explosion, Accidents
Violence, Terrorism; bio-chemical,
War

Policies related to

emergency/disaster management'; International, national, state, institutional

Disaster preparedness:

Team, Guidelines, protocols, Equipments, Resources

Coordination and involvement of; community, various govt. departments, non-govt. departments, non-govt. organizations and International agencies

Role of nurse: working

Legal Aspects of Disaster Nursing

Impact on Health and after effect; Post Traumatic Stress Disorder

Rehabilitation; physical, psychosocial, Financial, Relocation Emergency Nursing

Emergency Nursing

Concept, priorities, principles and Scope of emergency nursing

Organization of emergency service: physical setup, staffing equipment and supplies, protocols, Concepts of triage and role of triage nurse.

Coordination and involvement of different departments and facilities

Nursing Assessment – History and Physical assessment

Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency

Principles of emergency management

Common emergencies;

Respiratory Emergencies

Cardiac Emergencies

Shock and Haemorrhage

Pain

Poly-Trauma, road accidents, crush injuries, wound

Bites

Poisoning; Food, Gas, Drugs & chemical poisoning

Seizures

Thermal Emergencies; Heat stroke & Cold injuries

Pediatric Emergencies

Psychiatric Emergencies

Obstetrical Emergencies

Violence, Abuse, Sexual Assault

Cardio Pulmonary Resuscitation

Crisis Intervention

- Role of the nurse; communication and Inter personal Relations
- Medico-Legal Aspects;

VIII **Nursing care of the elderly**

- 10 hrs.
- Nursing Assessment – History and Physical assessment
 - Ageing;
 - Demography; Myths and realities
 - Concepts and theories of ageing
 - Cognitive Aspects of Ageing
 - Normal biological ageing
 - Age related body systems changes
 - Psychosocial Aspects of aging
 - Medications and elderly
 - Stress & coping in older adults
 - Common Health Problems & Nursing management;
 - Cardiovascular, Respiratory, Musculoskeletal,
 - Endocrine, genito-urinary, gastrointestinal
 - Neurological, skin and other Sensory organs
 - Psychosocial and Sexual
 - Abuse of elderly
 - Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual
 - Role of nurse for caregivers of elderly
 - Role of family and formal and non formal caregivers
 - Use of aids and prosthesis (hearing aids, dentures),
 - Legal & Ethical Issues
 - Provisions and Programmes for elderly; privileges, community programmes and health services;
 - Home and institutional care

IX **Nursing management of patient in critical care units**

- 10 hrs.
- Nursing Assessment – History and Physical assessment
 - Classification
 - Principles of critical care nursing
 - Organization; physical setup, policies, staffing norms, Protocols, equipment; and supplier
 - Special equipments; ventilation, cardiac monitors, defibrillators.
 - Resuscitation equipments
 - Infection Control Protocols
 - Nursing management of critically ill patient;
 - Monitoring of critically ill patient
 - CPR-Advance cardiac life support
 - Treatments and procedures
 - Transitional care
 - Ethical and Legal Aspects
 - Communication with patient and family
 - Intensive care records
 - Crisis Intervention

Death and Dying – coping with
Drugs used in critical care unit

Nursing management of patients adults including elderly with Occupational and Industrial disorders

8 hrs. Nursing Assessment-History and Physical assessment
Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities
and medical & surgical nursing management of occupational and industrial health
disorders
Role of nurse
Special therapies, alternative therapies
Nursing procedures
Drugs used in treatment of occupational and industrial disorders

Department of Nursing
P.K.University
Paper Code BSC-N-302: Child Health Nursing

Placements: Third year

Time : Theory-90 hrs.
Practical-270 hrs.
Internship – 145 hrs

Unit	Content
I 15 hrs.	Introduction Modern concepts of childcare <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 hospitalisation on the child and 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
II 20 hrs.	The healthy child Principles of growth and development <ul style="list-style-type: none">• 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

Nursing care of a neonate

- Nursing care of a normal newborn/Essential newborn care
- 15 hrs.
- Neonatal resuscitation
 - Nursing management of a low birth weight baby.
 - Kangaroo mother care
 - Nursing management of common neonatal disorders
 - Organization of neonatal unit
 - Identification & nursing management of common congenital malformations.

IV Integrated management of neonatal and childhood illnesses (IMNCI)

10hrs.

Nursing management in common childhood diseases

- 20 hrs.
- Nutritional deficiency disorders
 - Respiratory disorders and infections
 - Gastrointestinal infections, infestations and congenital disorders
 - Cardio vascular problem : congenital defects and rheumatic fever, rheumatic heart disease
 - Genito-urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders.
 - Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida.
 - Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia
 - Endocrine disorders : Juvenile Diabetes Mellitus
 - Orthopedic disorders: club feet, hip dislocation and fracture.
 - Disorders of skin, eye, and ears
 - Common communicable diseases in children, their identification, nursing management in hospital and home and prevention.

	<ul style="list-style-type: none">• Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning.• Nursing care of infant and children with HIV/AIDS.
VI 10 hrs.	Management of behavioural & social problems in children <ul style="list-style-type: none">• Management of common behavioural disorders• Management of common psychiatric problems• Management of challenged children: Mentally, Physically, & Socially challenged• Welfare services for challenged children in India.• Child guidance clinics

Department of Nursing
P.K.University
Paper Code BSC-N- 303: Mental Health Nursing

Placements : Third year

Time :Theory - 90 hrs.

Practical - 270 hrs.

Internship – 95 hrs (2 weeks)

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

Unit	Content
Introduction	
5 hrs.	Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices. Prevalence and incidence of mental health problems and disorders National Mental health policy vis a vis a National Health Policy
	<ul style="list-style-type: none">• National Mental Health programme Mental health team Nature and scope of mental health nursing
	Role and functions of mental health nurse in various setting and factors affecting the level of nursing practice
	Concepts of normal and abnormal behaviour
II. Principles and concepts of Mental Health Nursing	
5 hrs.	Definition : mental health nursing and terminology used
	<ul style="list-style-type: none">• 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 neuro transmission
	Principles of Mental health nursing
	Standards of mental health nursing practice
	Conceptual models and the role of nurse:

- Existential Model
- Psycho-analytical models
- Behavioural model
- Interpersonal Model

III Assessment of mental health status

History taking

- 8 hrs.
- Mental status examination
 - Mini mental status examination
 - Neurological examination: Review
- Investigations: Related Blood chemistry, EEG, CT & MRI
- Psychological tests
- Role and responsibilities of nurse

IV Therapeutic communication and nurse-patient relationship

Therapeutic communication : Types, techniques, characteristics

- 6 hrs.
- Types of relationship,
- Ethics and responsibilities
- Elements of nurse patient contract
- Review of technique of IPR - Johari window
- Goals, phases, tasks, therapeutic techniques
- Therapeutic impasse and its intervention

Treatment modalities and therapies used in mental disorders

- 14 hrs.
- 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
- Role of nurse in above therapies

VI Nursing management of patient with Schizophrenia, and other psychotic disorders

5 hrs. • Classification: ICD

Etiology, psycho-pathology, types, clinical manifestations, diagnosis

Nursing Assessment – History, Physical and mental assessment

Treatment modalities and nursing management of patient with Schizophrenia and other psychotic disorders

- Geriatric considerations
- Follow-up and home care and rehabilitation

VII Nursing management of patient with mood disorders

5 hrs. • Mood disorder: Bipolar affective disorders, Mania depression and dysthymia etc.

Etiology psycho-pathology, clinical manifestations, diagnosis.

Nursing Assessment- History, Physical and mental assessment

Treatment modalities and nursing management of patients with mood disorders

Geriatric considerations

Follow-up and home care and rehabilitation

VIII Nursing management of patient with neurotic, stress related and somatization disorders

8 hrs. • Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, compulsive disorder, Somatoform disorders Post traumatic stress disorder

Etiology, psycho-pathology, clinical manifestations, diagnosis

Nursing Assessment – History, Physical and mental assessment

Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders

Geriatric considerations

Follow – up and home care and rehabilitation

IX Nursing Management of patient with Substance use disorders

5 hrs. • Commonly used psychotropic substance: Classification, form, routes, action, intoxication and withdrawal

Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis,

Nursing assessment –History, Physical, mental assessment and drug assay
Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction)
and nursing management of patients with substance use
disorder • Geriatric considerations
Follow-up and home care and rehabilitation

X Nursing management of patient with personality, Sexual and Eating disorders

- 4 hrs. • Classification of disorders
Etiology, psycho-pathology, characteristics, diagnosis,
Nursing Assessment-history, Physical and mental assessment
Treatment modalities and nursing management of patients with Personality, Sexual and
Eating disorders
Geriatric considerations
Follow-up and home care and rehabilitation

XI Nursing management of childhood and adolescent disorders including mental deficiency

- Classification
6 hrs. • Etiology, psycho-pathology, characteristics, diagnosis, Nursing Assessment-
History, Physical, mental and IQ assessment
Treatment modalities and nursing management of childhood disorders including mental
deficiency
Follow-up and home care and rehabilitation

XII Nursing management of organic brain disorders

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

XIII Psychiatric emergencies and crisis intervention

- 6 hrs.
- 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

XIV Legal issues in Mental Health Nursing

- 4 hrs.
- 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

XV Community Mental Health Nursing

- 4 hrs.
- 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.

Department of Nursing
P.K.University
Paper Code BSC-N-304: Nursing Research and
Statistics

Placements : Third year

Time : Theory - 45 hrs.

Practical - 45 hrs.

Course Description: This course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need based research studies in various setting and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

Unit	Content
I	Research and research process
4 hrs.	<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	Research Problems/Question
3 hrs.	<ul style="list-style-type: none">• Identification of problem area Problem statement Criteria of a good research problem. Writing objective
III	Review of Literature
3 hrs.	<ul style="list-style-type: none">• Location Sources On line search; CINHALL, COCHRANE etc. Purposes Method of review
IV	Research approaches and designs
4 hrs.	<ul style="list-style-type: none">• Historical, survey and experimental Qualitative and Quantitative designs
V	Sampling and data collection
8 hrs.	<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:

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 Analysis of data:

4 hrs. • Compilation, Tabulation, classification, summarization, presentation,
interpretation of data

VII Introduction to statistics

15 Definition, use of statistics, scales of measurement.

hrs. • 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

VIII Communication and utilization of Research

4 hrs. • Communication of research findings
Verbal report

Writing research report

Writing scientific article/paper

Critical review of published research

Utilization of research findings

Department of Nursing
P.K. University
Paper Code BSC-N-305: Medical Surgical Nursing
(Adult and Geriatrics) – II
Practical

Time : Theory-120 hrs.

Practical-270 hrs.

Internship – 430 hrs

Clinical Area: ENT, Ophthalmology, Neurology, Gynecology, Burn unit, oncology, Critical care unit, casualty/emergency unit, ICU.

Unit	Skill to be developed
-------------	------------------------------

- | | |
|-----|---|
| ● | Perform examination of ear, nose and throat
Assist with diagnostic procedures
Assist with therapeutic procedures
Instillation of drops
Perform/assist with irrigations. |
| ● | Apply ear bandage |
| ● | Perform tracheostomy care |
| ● | Teach patients and families |
| II | ● Perform examination of eye
Assist with diagnostic procedures
Assist with therapeutic procedures
Perform/assist with irrigations
Apply eye bandage
Apply eye drops/ointments
Assist with foreign body removal
Teach patients and families |
| III | ● Perform Neurological Examination
Use Glasgow Coma scale
Assist with diagnostic procedures |

Assist with therapeutic procedure
Teach patients & families
Participate in rehabilitation program

- IV
- Assist with gynecological Examination
 - Assist with diagnostic procedures
 - Assist with therapeutic procedures
 - Teach patients families
 - Teaching self breast examination
 - Assist with PAP smear collection
- V
- Assessment of the burn patient
 - Percentage of burns
 - Degree of burns
 - Fluid & electrolyte replacement therapy
 - Assess
 - Calculate
 - Replace
 - Record intake/output
 - Care of Burn wounds
 - Bathing
 - Dressing
 - Perform active & passive exercise
 - Practice medical & surgical asepsis
 - Counsel & teach patients and families
 - Participate in rehabilitation program
- VI
- Screen for common cancers – TNM classification
 - Assist with diagnostic procedures
 - Biopsies
 - Pap smear
 - Bone – marrow aspiration
 - Breast examination
 - Assist with therapeutic procedures
 - Participates in various modalities of treatment
 - Bone – marrow aspiration

- Breast examination
- Assist with therapeutic procedures
- Participates in various modalities of treatment

Chemotherapy

Radiotherapy

Pain management

Stoma therapy

Hormonal therapy

Immuno therapy

Gene therapy

Alternative therapy

- Participate in palliative care

Counsel and teach patients families

Self Breast Examination

Warning sings

Participate in rehabilitation program

- VII
- Monitoring of patients in ICU
 - Maintain flow sheet
 - Care of patients on ventilators
 - Perform Endotracheal suction
 - Demonstrates use of ventilators, cardiac monitors etc.
 - Collect specimens and interprets ABG analysis
 - Assist with arterial puncture
 - Maintain CVP line
 - Pulse oximetry
 - COR-ALS
 - Defibrillators
 - Pace makers
 - Bag-mask ventilation
 - Emergency tray/trolley-crash cart
 - Administration of drugs
 - Infusion pump
 - Epidural

- Intrathecal
- Intracardiac
- Total parenteral therapy
- Chest physiotherapy
 - Perform active & passive exercises
 - Counsel the patient and family in dealing with grieving and bereavement

VIII

- Practice “triage”
- Assist with assessment examination, investigations & their interpretations, in emergency and disaster situations
- Assist in documentations
- Assist in legal procedures in emergency unit
- Participate in managing crowd
- Counsel patient and families in grief and bereavement

Internship

Time: 430 hours (9 weeks)

Area	Duration (in week)	Objectives	Skills to be developed	Assignments
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies Assist with common operations	Integrated assess	Assessment clinical performance with rating sale
Surgical Ward	2			
Critical care unit/ICCU	1			
Casualty/Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

Department of Nursing
P.K.University
Paper Code BSC-N-306: Child Health Nursing
Practical

Placements: Third year

Time : Practical -270 hrs.
(9 Weeks)

Internship – 145 hrs
(3 Weeks)

Paediatric OPD/Imunization

Clinical Areas : Paediatric Medicine ward, Paediatric surgery ward, room, Paediatric medicine and surgery ICU, Nursery.

Unit	Skill to be developed
-------------	------------------------------

- | | |
|---|---|
| I | <ul style="list-style-type: none">● Taking Paediatric HistoryPhysical examination and assessment of childrenAdminister of oral, I/M & IV medicine/fluidsCalculation of fluid requirements● Prepare different strengths of I.V. fluidsApply restraintsAdminister O₂ inhalation by different methodsGive baby bath feed children by katori spoon, etcCollect specimens for common investigationsAssist with common diagnostic proceduresTeach mothers/parents<ul style="list-style-type: none">MalnutritionOral rehydration therapyFeeding & WeaningImmunization schedulePlay therapySpecific Disease conditionsCalculate, prepare and administer I/V fluidsDo bowel washCare for ostomies<ul style="list-style-type: none">Colostomy Irrigation |
|---|---|

Ureterostomy

Gastrostomy

Enterostomy

Urinary catheterization and drainage

Feeding

Naso-gastric

Gastrostomy

Jejunostomy

Care of surgical wounds

Dressing

Suture removal

II ● Assessment of children

Health assessment

Developmental assessment

Immunization

Health/ Nutritional

Education III ● Care of a baby in
incubator/warmer

● Care of a child on ventilator

Endotracheal suction

Chest physiotherapy

Administer fluids with infusion pump

● Total parenteral nutrition

Photo therapy

Monitoring of babies

Cardio Pulmonary resuscitation

Internship

Time : 145 hrs (3 weeks)

Area	Duration (in weeks)	Objective	Skill to be develop	Assessment
Paediatric medicine ward/ICU	1	● Provide comprehensive care to children with medical conditions	● Integrated Practice	● Assess clinical performance with rating sale
Paediatric surgery ward/ICU	1	● Provide comprehensive care to children with surgical conditions	● Integrated Practice	● Assess clinical performance with rating scale
NICU	1	● Provide intensive care to neonates	● Integrated Practice	● Assess clinical performance with rating scale

Department of Nursing
P.K.University
Paper Code BSC-N-307: Mental Health Nursing
Practical

Placements : Third year
 Fourth year

Time : Practical – 270 hrs (9 weeks)
 Internship – 95 hrs (2 weeks)

Clinical Areas : Psychiatric OPD, Child Guidance clinic, Inpatient ward, Community psychiatry.

Unit **Skill to be develop**

- History taking
 - Perform mental status examination (MSE)
 - Assist in Psychometric assessment
 - Perform Neurological examination
 - Observe and assist in therapies
 - Teach patients and family members
 - History taking
 - Assist in psychometric assessment
 - Observe and assist in various therapies
 - Teach family and significant others
 - History taking
 - Perform mental status examination (MES)
 - Perform Neurological examination
 - Assist in psychometric assessment
 - Record therapeutic communication
 - Administer medications
 - Assist in Electro Convulsive Therapy (ECT)
 - Participate in all therapies
 - Prepare patients for Activities of Daily living (ADL)
 - Conduct admission and discharge counseling
 - Counsel and teach patients and families
- IV
- Conduct case work
 - Identify individuals with mental health problems
 - Assists in mental health camps and clinics
 - Counsel and Teach family members, patients and community

Internship

Time: 95 hrs (2 Weeks)

Clinical Areas	Duration	Objective	Skill to be developed	Assessment
Psychiatry ward	2 Weeks	Provide comprehensive care to patients with mental health problems	Integrated Practice	Assess clinical performance with rating scale

Department of Nursing
P.K.University
Fourth Year
Paper Code BSC-N-401: Midwifery and Obstetrical
Nursing

Placements :Fourth year

Time : Theory - 90 hrs.

Course Description : This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal period in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

Unit	Content
	Introduction to midwifery and obstetrical Nursing
	•Introduction to concepts of midwifery and obstetrical nursing
3 hrs	• Trends in midwifery and obstetrical nursing Historical perspectives and current trends Legal and ethical aspects Pre-conception care and preparing for parenthood Role of nurse in midwifery and obstetrical care. National policy and legislation in relation to maternal health and welfare. Maternal, morbidity, mortality and fertility rates. Perinatal, morbidity and mortality rates
	Review of anatomy and physiology of female reproductive system and foetal development
8 hrs.	• Female pelvis-general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape. Female organs of reproduction-external genitalia, internal genital organs and their anatomical relations, musculature-blood-supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum. Physiology of menstrual cycle Human sexuality Foetal development

Conception

Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term-functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord, Foetal circulation, foetal skull, bones, sutures and measurements.

Review of Genetics

III Assessment and management of pregnancy (ante-natal)

• **Normal pregnancy**

8 hrs. • Physiological changes during pregnancy

- Reproductive system
- Cardio vascular system
- Respiratory system
- Urinary system
- Gastro intestinal system
- Metabolic changes
- Skeletal changes
- Skin changes
- Endocrine system
- Psychological changes
- Discomforts of pregnancy

Diagnosis of pregnancy

- Signs
- Differential diagnosis
- Confirmatory test

Ante-natal care

- Objective
- Assessment
 - History and physical examination
 - Antenatal Examination
 - Signs of previous child-birth
 - 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, cardiotomography,

NST,CST

Antenatal preparation

- Antenatal counseling
- Antenatal exercises
- Diet
- Substance use
- Education for child-birth
- Husband and families
- Preparation for safe-confinement
- Prevention from radiation

Psycho-social and cultural aspects of pregnancy

- Adjustment to pregnancy
- Unwed mother
- Single parent
- Teenage pregnancy
- Sexual violence

Adoption

IV **Assessment and management of intra-natal period**

12
hrs.

- Physiology of labour, mechanism of labour
- Management of labour
 - First stage
 - Signs and symptoms of onset of labour; normal and abnormal
 - Duration
 - Preparation of;
Assessment and observation of women in labour; partogram-maternal and foetal monitoring
Active management of labour, Induction of labour
Pain relief and comfort in labour
 - Second stage
 - Signs and symptoms; normal and abnormal
 - Duration
 - Conduct of delivery ; Principles and techniques
 - Episiotomy (only if required)
 - Receiving the new born
 - Neonatal resuscitation; initial steps and subsequent resuscitation
 - Care of umbilical cord
 - Immediate assessment including screening for congenital anomalies
 - Identification
 - Bonding
 - Initiate feeding
 - Screening and transportation of the neonate

Third stage

- Signs and symptoms; normal and abnormal
- Duration
- Method of placental expulsion
- Management; Principles and technique
- Examination of the placenta
- Examination of perineum
- Maintaining records and reports

Fourth Stage

Assessment and management of women during post natal period

- 5 hrs.
- Normal puerperium ; Physiology, Duration
 - Postnatal assessment and management
 - Promoting physical and emotional well-being
 - Lactation management
 - Immunization
 - Family dynamics after child-birth.
 - Family welfare services; methods, counseling
 - Follow-up
 - Records and reports

VI **Assessment and management of normal neonates**

- 6 hrs.
- Normal neonate;
 - Physiological adaptation;
 - Initial & Daily assessment
 - Essential newborn care; Thermal control,
 - Breast feeding, presentation of infections
 - Immunization
 - Minor disorders of newborn and its management
 - Levels of neonatal care (level I, II, & III)
 - At primary, secondary and tertiary levels
 - Maintenance of Reports and Records

VII **High – risk pregnancy – assessment & management**

Screening and assessment

- hrs. □ Ultrasonic, cardiotomography, NST, CST, non-invasive & invasive,
Newer modalities of diagnosis

High-risk approach

Levels of care; primary, secondary and tertiary levels

Disorders of pregnancy

Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic

Pregnancy, vesicular mole,

- Ante-partum haemorrhage.

Uterine abnormality and displacement.

Diseases complicating pregnancy

- Medical and surgical conditions
Infections, RTI (STD), UTI, HIV, TORCH

Gynecological diseases complicating pregnancy

Pregnancy induced hypertension & diabetes,

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

VIII **Abnormal Labour-assessment and management**

Disorders in labour

10 CPD and contracted pelvis

hrs. 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;

Presentation and prolapsed of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock

Obstetrical procedures and operations;

Induction of labour, forceps, vacuum, version, manual removal of placenta, caesarean section, destructive operations

Nursing management of women undergoing Obstetrical operations and procedures

IX **Abnormalities during Postnatal Periods**

- Assessment and management of woman with postnatal complications

4 hrs. Puerperal infections, breast engorgement & infections, UTI, thrombo-Embolic disorders, post - partum hemorrhage, Eclampsia and subinvolution.

Psychological complications:

Post partum Blues

Post partum Depression

Post partum Psychosis

Assessment and management of High risk newborn

Admission of neonates in the neonatal intensive care unit – protocols

• Nursing management of :

- hrs. - Low birth weight babies
- Infections
- Respiratory problems
- Hemolytic 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

XI Pharmaco-therapeutics in obstetrics

- 4 hrs. • Indication, dosage, action, contra-indication and side effects of drugs
- Effect of drugs on pregnancy, labour & puerperium,
- Nursing responsibilities in the administration of drug in obstetrics – Oxytocins,
 antihypertensives, diuretics, tocolytic agents, anticonvulsants,
 Analgesics and anesthetics in obstetrics.
 Effects of maternal medication on foetus and neonate

XII Family Welfare programme

Population trends and problems in India

- 10 hrs. • Concepts, aims, importance and history of family welfare programme
- National Population : dynamics, policy and education National family
 welfare programme; RCH, ICDS, MCH. Safe motherhood Organization and
 administration; at national, state, district, block and village levels Methods of
 contraception; spacing, temporary and permanent, Emergency contraception

Infertility and its management

- Counseling for family welfare

Latest research in contraception

- Maintenance of vital statistics

Role of national, international and voluntary organizations

Role of a nurse in family welfare programme

Training/supervision/Collaboration with other functionaries in community like

ANMs. LHVs. Anganwadi workers, TBAs (Traditional birth attendant Dai)

Department of Nursing
P.K.University

Paper Code BSC-N-402: Community Health Nursing - II

Placements : Fourth year

Time : Theory - 90 hrs.

Practical - 135 hrs.

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 concepts and principles of health and community health nursing.

Unit

Content

I Introduction

4 hrs. • Definition, concept & scope of Community Health and Community Health Nursing.

Historical development of

- Community health
 - Community health Nursing
- Pre-independence

Post-independence

II Health planning and policies and problems

6 hrs. • National health planning in India Five Year Plans

Various communities and commissions on health and family welfare

- Central Council for Health and family welfare (CCH and FW)

- National health policies (1983, 2002)

- National population policy

Health problems in India

Environmental pollution: Cause, effects and control measures

Acts related to environmental health

Environment protection act

Air (prevention and control of pollution) Act

Water (prevention and control of pollution) Act

Wild life protection act

Forest conservation act

Issues involved in enforcement of environmental legislation

III Delivery of community health services

- Planning, budgeting and material management of SCs, PHC and, CHC

hrs. • Rural : Organization staffing and functions of rural health services provided by government at:

- Village
- Subcentre
- Primary health centre
- Community health centre/sub divisional
- Hospitals
- District
- State
- Centre

- Urban: Organization, staffing and functions of urban health services provided by government at:

- Slums
- Dispensaries
- Maternal and child health centers
- Special Clinics
- Hospitals
- Corporation/Municipality/ Board

Components of health services

Environmental sanitation – causes, effects and control measures of urban waste.

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 – solid waste management, cause effect and control measures.

Defense services

Institutional services

Systems of medicine and health care

- Allopathy
- Indian system of Medicine and Homeopathy

- Alternative health care systems like yoga, meditation, social and spiritual healing etc.

- Referral system

IV Community health nursing approaches, concepts and roles and responsibilities of nursing personnel

25
hrs.

- Approaches
 - Nursing theories and nursing process
 - Epidemiological approach
 - Problems solving approach
 - Evidence based approach
 - Empowering people to care for themselves
 - Concepts of Primary Health Care :
 - Equitable distribution
 - Community participation
 - Focus on prevention
 - Use of appropriate technology
 - Multi-sectoral approach
- Roles and responsibilities of Community health nursing personnel in –
 - Family health services
 - Information Education communication(IEC) - Role in environment and health.
 - Management Information System (MIS): Maintenance of Records & Reports
 - Training and supervision of various categories of health workers
 - National Health Programmes
 - Environmental sanitation
 - Maternal and child health and Family welfare
 - Treatment of minor ailments
 - School Health Services
 - Occupational Health
 - Organization of clinics, camps: Types, Preparation, Planning, conduct and evaluation
 - Waste management in the center, clinics etc.
- Home visit: Concept, Principles, Process, Techniques: Bag technique in home visit
- Qualities of Community Health Nurse
- Job Description of Community health nursing personnel

V Assisting individuals and groups to promote and maintain their health

- Empowerment for self care of individuals, families and groups in-

**15
hrs.**

A- Assessment of self and family

- Monitoring growth and development
 - Mile stones
 - Weight measurement
 - Social development
- Temperature and Blood pressure monitoring
- Menstrual cycle
- Breast self examination and testicles examination
- Warning Sign of various diseases
- Tests : Urine for sugar and albumin, blood sugar

B. Seek health services for

- Routine checkup
- Immunization
- Counseling
- Diagnosis
- Treatment
- Follow up

C. Maintenance of health records for self and family

D. Continue medical care and follow up in community for various diseases and disabilities.

E. Carryout therapeutic procedures as prescribed/required for self and family

F. Waste Management

- Collection and disposable of waste at home and community

G. Sensitize and handle social issues affecting health and development for self and family

- Women Empowerment, Women and child welfare
- Women and child abuse
- Abuse of elders
- Female Foeticide
- Commercial sex workers

- Food adulteration
- Substance abuse

H. Utilize community resources for self and family

Trauma Services

Old age homes

Orphanage

- Homes for physically and mentally challenged individuals
- Homes for destitute

VI National health and family welfare programmes and the role of a nurse

20
hrs.

National ARI programme

(2) Revised National Tuberculosis Control programme (RNTCP)

(3) National Anti-Malaria programme

National Filaria Control programme

National Guinea worm eradication programme

National Leprosy eradication programme

National AIDS control programme

STD control programme

National programme for control of blindness

Iodine deficiency disorder programme

Expanded programme on immunization

National Family welfare programme- RCH programme historical development, organization, administration, research, constraints

National water supply and sanitation programme

Minimum Need programme

National Diabetics control programme

Polio Eradication: Pulse Polio Programme

National Cancer Control Programme

Yaws Eradication Programme

National Nutritional Anemia Prophylaxis programme

20 point programme

ICDS programme

Mid-day meal applied nutritional programme

National mental health programme

Health schemes

ESI

CGHS

Health insurance

VII • Health Agencies

International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA,
5 hrs. European 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, Central Social Welfare Board, All India women's conference, Blind
Association of India etc.

Department of Nursing
P.K.University
Paper Code BSC-N-403: Management of Nursing
Services and Education

Placements: Fourth year

Time : Theory - 90 hrs.

Course Description: This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

Unit

Content

Introduction to management in nursing

- Definition, concepts and theories

4 hrs.

- Functions of management
- Principles of management
- Role of nurse as a manager

II Management process

5 hrs.

- Planning; mission, philosophy, objectives, operational plan
- Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling.
Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc.
Budgeting: concept, principles, types, cost benefit analysis, audit
Material management: equipment and supplies
Directing process (Leading)
Controlling: Quality management
Program Evaluation Review Technique (PERT), Bench marking, Activity plan (Gantt Chart).

Management of nursing services in the hospital and Community

8 hrs. • Planning:

- Hospital and patient care units including ward management and disaster management
- Emergency
- Human resource management:

hrs.
(P)

- Recruiting, selecting, deployment, retaining, promoting, superannuation etc.
Categories of nursing personnel including job description of all levels
Patient/population classification systems
Patients/ population assignment and nursing care responsibilities
Staff development and welfare

Budgeting: proposal, projecting requirements for staff, equipments and supplies for -

- Hospital and patient care units
- Emergency and disaster management

Material Management; procurement, inventory control, auditing and maintenance in -

- Hospital and patient care units
- Emergency and disaster management

Directing and leading: delegation, participatory management -
Assignments, rotations, delegations

- Supervision & guidance
- Implement standards, policies, procedures and practices
- Staff development and welfare
- Maintenance of discipline

Controlling/Evaluation:

- Nursing Rounds/Visits, nursing protocols, manuals
- Quality Assurance Model, documentation-
- Records and reports performance appraisal

IV Organizational behaviour and human relations

5 hrs.

- Concepts and theories of organizational behaviours
- Review of Channels of Communication
Leadership styles
Review of Motivation; concepts and theories
Group dynamics
Techniques of;
Communication; and
 - Interpersonal relationships
 - Human relations;
- Public relations in context of nursing
Relations with professional associations and employee unions and
Collective bargaining

V In Service education

- 5 hrs.** • Nature & scope of in-service education programme.
(T) • Organization of in-service education

- 5 hrs.** • Principles of adult learning
• Planning for in-service education program, techniques, methods & evaluation of staff education program,
Preparation of report

VI Management of nursing educational institutions

- 10** • Establishment of nursing educational institution – INC norms and guidelines

hrs.

- Co-ordination with-
 - Regulatory bodies
 - Accreditation
 - Affiliation
 - Philosophy/objectives
 - Organization

- Structure
- Committees
 - Physical facilities

- College/School
- Hostel
 - Students

- Selection
- Admission

Guidance and Counseling

Maintaining discipline

**Faculty and staff
Selection**

Recruitment

Job description

- Placement
- Performance appraisal
- Development and welfare
- Budgeting

Equipments and supplies: audiovisual equipments, laboratory equipment, books, journals etc.

Curriculum; Planning, implementation and evaluation,
Clinical facilities

- Transport facilities

Institutional Records and reports – Administrative, faculty, staff and students

VII Nursing as a profession

- **Nursing as a profession**

- Philosophy; nursing practice

hrs.

- Aims and objectives
- Characteristics of a professional nurse
- Regulatory bodies; INC, SNC Acts:- constitution, functions
- Current trends and issues in nursing

- Professional ethics
 - Code of ethics; INC, ICN
 - Code of Professional conduct; INC, ICN
- Practice standards for Nursing; INC
- Consumer protection act
- Legal Aspects in nursing
 - Legal terms related to practice; registration and licensing
 - Laws related to nursing practice; Branch and penalties
 - Malpractice and negligence

VIII

3 hrs. Professional Advancement:

Continuing education

Career Opportunities

Collective bargaining

Membership with professional organizations; National and International

- Participation in research activities
- Publications; Journals, Newspapers etc.

Department of Nursing
P.K.University
Paper Code BSC-N-404: Midwifery and Obstetrical
Nursing (Practical)

Fourth year Time: Practical – 180 hrs Internship - 420 hrs.

Clinical Areas : Antenatal clinic/OPD, Antenatal wards Labour room O.T., Post natal ward, Newborn nursery, Family planning clinic, MCH Clinic.

Unit	Skills to be developed
I	<ul style="list-style-type: none">● Antenatal history taking● Physical examination● Recording of Weight & B.P.● Hb & Urine testing for sugar and albumin● Antenatal examination abdomen and breast● Immunization● Assessment of risk status● Teaching antenatal mothers Maintenance of Antenatal records
II●	Assessment of Woman in labour <ul style="list-style-type: none">Pervaginal examinations and interpretationMonitoring and caring of woman in labourMaintenance of partographConduct normal deliveryNew born assessment and immediate careResuscitation of newbornsAssessment of risk status of newbornEpisiotomy and suturingMaintenance of labour and birth recordsArrange for and assist with caesarean section and care for woman & baby during CaesareanArrange for and assist with MTP and other surgical procedures <ul style="list-style-type: none">● Examination and assessment of mother and Baby<ul style="list-style-type: none">Identification of deviations

Care of postnatal mother and baby

Perineal care

Lactation management

Breast feeding

Baby bath

Immunization

Teaching postnatal mother:

- Mother craft
- Post natal care & Exercises
- Immunization

Admission of neonates

Feeding of at risk neonates

- Katori spoon, paladi, tube feeding, total parenteral nutrition

Thermal management of neonates-kangaroo mother care, care of baby in incubator

- Monitoring and care of neonates

Administering medications

Intravenous therapy

Assisting with diagnostic procedure

Assisting with exchange transfusion

Care of baby on ventilator

Phototherapy

Infection control protocols in the nursery

Teaching and counselling of parents

Maintenance of neonatal records

- Counselling techniques

Insertion of IUD

Teaching on use of family planning methods

Arrange for and assist with family planning operations

Maintenance of record and reports

*** Essential Requirements for registration as midwife**

◆ Antenatal examination	30
◆ Conducting normal deliveries in hospital/home/health centre	20
◆ Vaginal examination	5
◆ Episiotomy and suturing	5
◆ Neonatal resuscitation	5
◆ Assist with Caesarean Section	2
◆ Witness/Assist abnormal deliveries	5
◆ Postnatal cases nursed in hospital/home/health centre	20
◆ Insertion of IUD	5

Note: All casebooks must be certified by teacher on completion of essential requirements.

Internship Obstetrical Nursing

Internship Duration – 9 weeks (420 hours)

Area	Duration (In Weeks)	Objective	Skills	Assignment	Assessment methods
Labour ward	3	● Provide comprehensive care to mothers and neonates	● Integrate	● Completion of other essential requirement	● Assess clinical performance with rating scale
Neonatal intensive care unit/NICU	2			● Case book recording	● Completion of case book recording
Antenatal	2				
Postnatal	2				

Department of Nursing
P.K.University
Paper Code BSC-N- 405: Community Health Nursing
II Practical

Placements : Fourth year

Time : Practical - 135 hrs.
 Internship - 192 hrs.

Clinical Areas: Community health urban and rural centres.

Unit	Skills to be developed
<ul style="list-style-type: none"> ● Community health survey ● Home visit: Bag technique 	<ul style="list-style-type: none"> Community diagnosis family care: Home adaptation of common procedures
week	<ul style="list-style-type: none"> ● Organize and conduct clinics antenatal, postnatal, well baby clinic, camps etc
Urban	<ul style="list-style-type: none"> ● Screen manage and referrals for: <ul style="list-style-type: none"> High risk mothers and neonates Accidents and emergencies
	<ul style="list-style-type: none"> <input type="checkbox"/> Illnesses: Physical and mental
week	
Rural	<ul style="list-style-type: none"> <input type="checkbox"/> Disabilities ● Conduct delivery at centre/home: episiotomy and suturing ● Resuscitate newborn ● School health programme <ul style="list-style-type: none"> <input type="checkbox"/> Screen, manage, refer children <input type="checkbox"/> Collaborate with health and allied agencies ● Train and supervise health workers ● Provide family welfare services: insertion of IUD ● Counsel and teach individuals, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health, physically and mentally challenged individuals etc ● Collect and calculate vital health statistics ● Document and maintain <ul style="list-style-type: none"> <input type="checkbox"/> Individual, family and administrative records. Write reports – center, diseases, national health programme/projects.

Time : 192 hrs (4 weeks)

Internship:

Area	Duration	Objective	Skills to be developed	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 - I in each rural and urban	<ul style="list-style-type: none">• Assess clinical performance with rating scale• Evaluation of project

Note : During the Rural posting they should stay in health centers under the supervision of teachers.