

DEPARTMENT OF HEALTH CARE \$ NURSING SYLLABUS

2020-21

SRI Y.N COLLEGE (Autonomous)
(Affiliated to Adikavi Nannaya University) Thrice accredited by NAAC with 'A' Grade
Recognized by UGC as College with Potential for Excellence
NARSAPUR-534275

1st Year Health Care & Nursing Course
Semester-1
Primary Health Care Nursing (Nursing Foundation)
Theory (paper-1) – Syllabus

UNIT-1

Introduction: Role Concept of health: Health illness continuum, Factors influencing health, causes and risk factors for developing illness, Health promotion and levels of disease prevention, Types of Healthcare, Agencies, Primary health care and its delivery role of Nurse

Nursing as a Profession: Definition and characteristics of profession, Concepts, Philosophy, Objectives, Functions of Nurse, Qualities of a Nurse, Ethics and professional conduct of Nurse.

UNIT-2

Hospital Admission and Discharge: Admission to the hospital, Discharge from the Hospital

Vital Signs: Guidelines for taking vital signs, Temperature, Pulse, Respiration, Blood pressure

Documentation in Nursing: Purposes of Recording and reporting, Types of records and reports, Maintaining Nursing records, Methods of Recording, Minimizing legal liability thru effect record keeping.

UNIT-3

Nursing Process: Assessment, Nursing Diagnoses, Planning, Implementation, Evaluation

Health Assessment: Purposes of health assessment, Health history, Physical examination

UNIT-4

Infection Control: Hand washing, biomedical waste management

Administrative of Medication: Purpose and principles of administrative of medication, Routes of administration

UNIT-5

Care of Terminally ill Patient: Concepts of loss, Grief, Grieving process, Signs of clinical death, Care of dying patient

First Aid: Introduction to First Aid, Bandages, Wound Cleaning, Shock prevention, poisoning, Foreign bodies, Burns

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1st Year Health Care & Nursing Course

Semester-1

Nutrition & Biochemistry – Theory (paper-2) – Syllabus

UNIT-1

Introduction: Role of Nutrition in Maintaining health, Nutritional problems in India, National Nutritional Policy, Role of food and its medical value, Classification of foods, BMR, element of Nutrition, micro and macro.

UNIT-2

Carbohydrates, Fats, Proteins: Classification of Carbohydrates, Fats, Proteins and caloric values, Malnutrition and its deficiencies, Functions

Vitamins and Minerals, Water, Electrolytes: Classification of vitamins and Minerals, daily source of dietary sources and their deficiencies

UNIT-3

Cookery rules and Preservation of Nutrients: Principles methods of cooking and serving, balanced diet, safe food handling, toxicity, Storage of food, food preservation, food additives & its principles

UNIT-4

INTRODUCTION TO BIOCHEMISTRY

- Definition and significance in Nursing
- Review & structure, composition and Functions of cell
- Structure & Function of cell membrane
- Structure & function of cell organization
- Microscopy
- Sodium pump

UNIT-5

Composition and Metabolism of Carbohydrates and Lipids

- Metabolism- Pathway of Glycolysis
- Tri carboxylic Acid(TCA) Cycle
- Regulation of blood glucose level
- Lipoproteins and their Function:- VLDL, IDL, HDL, LDL
- Protein synthesis
- Chromatography
- Chemistry, Functions & uses of Prostaglandins

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Semester-1

B vocational Health Care and Nursing
Human Anatomy & Physiology --- Theory (Paper-3)- Syllabus

UNIT-1

Introduction to Anatomy and physiology: Cell Introduction, Overall Skeletal Muscular System and Tissue

Digestive system: Mouth, Esophagus, Stomach, Intestines, Function of Digestive System, Application in Nursing

UNIT-2

Respiratory system: Structure of lungs, Functions of lungs, Volumes of lung, Application in Nursing

Cardio Vascular system: Structure of heart, Blood vessels, Functions of heart, Cardiac cycle, pulmonary arterialcirculation, Lymphatic system, lymphatic vessels, Tissue, Application in Nursing

UNIT-3

Nervous System: Structure of Neuron, Parts of Brain, Spinal Cord, Spinal & Peripheral Nerves, Functions of Central Nervous system, Autonomic Nervous system, Sympathetic, Application in Nursing

UNIT-4

Excretory System: Structure of Kidney, Ureters, Urinary bladder, Urethra, Function of Excretory system, Structure of skin, Application in Nursing

UNIT-5

Endocrine System: Gross Structure of Pituitary, Pancreas, Thyroid, Parathyroid, Thymus and adrenal glands, Functions of all glands, Application in Nursing.

Reproductive System: Gross Structure of female & male reproductive system, Functions of female & male reproductive systems, Application in Nursing

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1st Year Health Care & Nursing Course

Semester-2

Syllabus- Microbiology Paper-4

UNIT-1

Introduction:

- Importance of Microbiology—Relevance to Nursing
- General Characteristics of bacteria:
- Structure and classification of bacteria
- Types of bacteria
- Demonstration of bacteria—Microscopy and staining
- Parts of bacterial cell
- Growth and Nutrition of Bacteria
- Laboratory methods of identification of bacteria.

UNIT-2

INFECTIOUS CONTROL:-

- Infection: Definition, types, sources, modes of transmission, types of infectious diseases
- Asepsis and disinfection
- Sterilization methods
- Standard bio-safety measures
- Bio-medical waste
- Role of nurse in infection control
- Hospital acquired infection

UNIT-3

IMMUNITY:-

- Immunology:- Definition and terms.
- Immunity:- Innate and acquired immunity.
- Antigen:- Antibody.
- ELISA
- Hypersensitivity: Montoux test
- Immune prophylaxis
- Hypersensitivity:- Type I,II,III,IV, hypersensitivity reaction

UNIT-4

PATHOGENIC VIRUSES AND FUNGI:-

- Classification of viruses.
- RNA Viruses:- Poliomyelitis, Influenza Mumps, Rubella, Rabies, Japanese encephalitis chikungunya.
- DNA Viruses :- Variola, Varicella Zoster adenovirus, papilloma virus.
- Viral hepatitis:- Hepatitis viruses A,B,C,D,E.
- Rota virus, HIV Virus.
- FUNGI:- Classification of fungi
- Dermatophytosis, Candidiasis
- Pathogenic Fungi mycotoxicosis & mycotoxicosis

UNIT-5

Parasites and Demonstration of Procedures:-

- Protozoal infectious: Amoebiasis, Malaria.
- Nematode infection : Ascarislumbricoide aneylostoma duodenanale, wuchereria Bancroft.
- Demonstration of practical procedures in Microbiology.
- Microscopy : Types, parts, uses
- Hanging drop preparation
- Simple staining
- Grain's staining
- Ziel Neelsen's staining (Acid Fast staining)
- Albert staining
- Widal test
- VDRL test
- Culture and sensitivity test
- Cestode infections:- taenia solium

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1st Year Health Care & Nursing Course

Paper-5 - Semester-2

Syllabus-Pathology and Genetics

UNIT-1

Introduction:

- Importance of the Study of Pathology
- Definition and terms
- Cellular and Tissue changes
- Infiltration and Regeneration
- Inflammations and Infections
- Wound healing, Vascular changes

Cellular Growth Neoplasm's:

- Normal and Cancer Cell
- Benign and Malignant Growths
- Disturbance of fluid & Electrolyte balance

UNIT-2

- Hemoglobin
- RBC, White Cell & Platelet counts
- Bleeding and clotting time, and prothrombin time
- Blood grouping and cross matching
- Blood culture
- Serological and immunological Tests
- Examination of Bone marrow
- Methods of collection of Blood specimen for various clinical pathology, biochemistry, microbiology tests.
- Normal values

UNIT-3 (Urine and faeces)

Urine - Physical Characteristics

- Analysis
- Culture and Sensitivity

Faeces - Characteristics

- Stool Examination:- Occult blood, ova, parasite and cryst
- Methods of collection for various tests inference and Normal values
- Stool examination:- reducing substances etc.,

UNIT-4 (Introduction to Genetics)

- Practical application of genetics in Nursing
- Review of cellular division mitosis and meiosis
- Characteristics and structure of genes
- Chromosomes –Sex determinations

UNIT-5

(Maternal, Prenatal and generic influence on development of defects and diseases)

- Consanguinity atopsy
- Spontaneous abortion
- Neural tube defects and the role of folic acid in lowering the risk
- Down syndrome
- Infertility

Generic Testing in the neonates And children and congenital abnormalities ,genethrephy,genetic counselling

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1st Year Health Care & Nursing Course

Semester-2

Syllabus-Community Health Nursing Theory -Paper-6

UNIT-1

INTRODUCTION:-

- Community of health Nursing
- Determination of Health
- Promotion & Maintenance of Health

ENVIRONMENTS:-

- Air, light, Ventilation, Water, Housing, Sanitation, Disposal of waste, Disposal of dead bodies, Noise.

FOOD HYGIENE:- Production preservation, purchase, prevention of food.

SOCIO-CULTURAL:-

- Customs—Taboos
- Marriage system, Family structure

PHYSICAL ACTIVITY:-

- Recreation & Sleep
- Self Reliance
- Dietary pattern
- Education, Occupation

FINANCIAL MANAGEMENT:-

- Income
- Budget

UNIT-2

EPIDEMIOLOGY:-

- Definition, concept, aims and terminology used in epidemiology
- Morbidity and mortality
- Levels & Prevention

Methods and Epidemiology

- Descriptive
- Analytical
- Experimental

UNIT-3

Epidemiology and Nursing management of common communicable diseases

Respiratory Infections

- Small pox, chickenpox, Measles influenza, Rubella ARI & Pneumonia mumps, Diphtheria.
- Whooping cough, meningitis

- Tuberculosis

Internal Infections

- Polimyelitis
- Viral hepatitis, Cholera, Diarrhoea

- Typhoid fever, food poisoning

Arthropod Infection

Viral ; Dengue, Malaria and Filariasis

- Rabies yellow fever, Japanese encephalitis

Bacterial ; Brucellosis, plague, Anthrax

Surface Infection; Trachoma, tetanus, leprosy, STD RTI, HIV, AIDS

UNIT-4

Epidemiology and Nursing Management of non communicable diseases.

Malnutrition : Under nutrition, over nutrition

Nutrition Deficiencies:

- Anemia
- Hypertension
- Stroke

Rheumatic : Heart disease, coronary heart disease, Diabetes mellitus, Blindness, Accidents, Mental illness, Obesity, Iodine deficiency, fluorosis

UNIT-5

Demography:-

- Definition, concept & Scope.
- Methods of collection, Analysis
- Demographic Rates and Ratios

Population Control

- Population explosion and its impact on social, economics, development of individual society and country

Population Controlling

- Over all development, women empowerment social, economic and educational development.
- Small family norms
- Methods and family planning
- Emergency contraceptives

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B.VOC Health Care & Nursing Course
Paper-7 - Semester-3
Syllabus-Psychology

UNIT-1

INTRODUCTION:

- Definition of Psychology & scope of psychology.
- Methods of Psychology.
- Relevance to Nursing.

Biology of behavior:-

- Body mind relationship.
- Brain and behavior.
- Psychology of sensations.
- Muscular and glandular controls of behavior and Nature of behavior.

UNIT-2

Cognitive, Motivation and emotional process:-

- Cognitive processes:-
 - Attention: Types, determinants.
 - Perception: Meaning, principles.
 - Learning: Types, Factors influencing.
 - Memory: Meaning. Types, factors influencing.
 - Thinking: Types and levels.
 - Intelligence: Concept, types.
 - Aptitude: concept, types.

UNIT-3

Motivation and emotional processes:-

- Motivation: Meaning, concepts, types theories.
- Emotions and stress: definition, theories, emotional adjustments, emotions in health and illness.
- Stress: Stressors, cycle, adaptation and coping.

UNIT-4

Personality:-

- Definitions, types, theories.
- Psychometric assessments of personality.
- Alterations in personality.
- Applications.

Developmental Psychology:-

- Psychology of people at different ages from infancy to old age.
- Psychology of vulnerable individuals.
- Psychology of groups.

UNIT-5

Mental hygiene and mental health:-

- Concepts of mental hygiene and mental health.
- Characteristics of mentally healthy person.
- Warning signs of poor mental health
- Ego defense mechanisms and implications.
- Role of Nurse.

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B.VOC Health Care & Nursing Course
Paper-8 - Semester-3
Syllabus-Sociology

UNIT-1

Introduction:

- Definition of Sociology.
- Importance and application of sociology.

Individual society:-

- Society and community.
- Nature and society.
- Difference between society and community.

Culture:-

- Culture and socialization.
- Nature of culture.

Population:-

- Society and population.
- Family welfare Programme.

Family and Marriage:-

- Family- Functions.
- Types of family- joint, Nuclear
- Marriage—Functions

UNIT-2

Types of communities in india (Rural, Urban, Regional):-

- Features of village community and characteristics Indian villages- Panchayat system, Social dynamics.
- Community Development and project planning.
- Changes in india Rural life.
- Urban community- Features
- Major Urban problems- Urban slums.

UNIT-3

Social change:-

- Nature and process of social change.
- Factors influencing social change cultural change, cultural legs.

Social Organization and Social System:-

- Social Organization: Elements, types
- Social system: Definition and types of social system.
- Voluntary associations?

UNIT-4

Social Control:-

- Nature and process of social control.
- Political, legal, Religious, Educational, Economic, Industrial and Technological systems.
- Norms & Values – Folk ways and mores customs, laws and fashion.
- Applications.

UNIT-5

Social Problems:-

- Social disorganization.
- Control and planning: Poverty, housing.
- Illiteracy.
- Food supplies.
- Rights of women & Children
- HIV/AIDS
- Social welfare Programmes in india.

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B.VOC Health Care & Nursing Course
Paper-9 - Semester-3
Syllabus-MEDICAL AND SURGICAL NURSING

UNIT-1

INTRODUCTION:

- Introduction to medical surgical nursing.
- Evolution and trends of medical surgical and nursing.
- Role of nurse, patient and family in care of adult patient.
- Introduction to medical surgical, asepsis, inflammation and infection, immunity, wound healing.

Common signs and symptoms and management:-

- Fluid and electrolyte imbalance
- Vomiting.
- Dyspnea and cough.
- Fever
- Shock, unconsciousness, syncope.
- Pain
- Edema, incontinence.

UNIT-2

- Review of Anatomy and physiology of respiratory system.
- Etiology, pathophysiology, clinical manifestations diagnosis, treatment, medical, surgical and nursing management.
- Upper- respiratory tract infections.
- Bronchitis.
- Asthma.
- Emphysema.
- Atelectasis.
- COPD(Chronic obstructive pulmonary diseases).
- Pneumonia.
- Pulmonary tuberculosis.
- Lung abscess.
- Pleural effusion.
- Chest injuries.
- Respiratory arrest.
- Pulmonary embolism.

UNIT-3

Nursing management of patient with blood and cardio vascular problems and digestive problems:-

- Review of anatomy and physiology of blood and cardio vascular system.
- Review of anatomy and physiology of digestive system.
- Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and surgical and nursing management of vascular system, heart, blood and digestive system.

Vascular system:- Hypertension, Hypotension, atherosclerosis, peripheral vascular disorders.

Heart:-

- Coronary artery diseases: Ischemic heart disease, myocardial infection.
- Valvular disorders:- Rheumatic heart disease.
- Endocarditis, pericarditis, myocarditis.
- Heart block, congestive cardiac failure:
 - Cor-pulmonale.
 - Pulmonary edema, cardiac shock.

Blood:-

- Thalassemia
- Leukemia's
- Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction.

Digestive system:-

Disorders of digestive system:

- Oral Cavity – lips, gums, tongue, salivary glands and teeth.
- Hernia, gastritis, peptic ulcer.
- Enteritis, malabsorption.
- Appendicitis.
- Cirrhosis of liver, portal hypertension.
- Inflammation of gall bladder

UNIT-4

Nursing management of patient with disorders of integumentary system, musculoskeletal system:-

Integumentary system:-

- Review of anatomy and physiology of skin.
- Etiology, pathophysiology, clinical manifestation, diagnosis, treatment and medical, surgical and nursing management of disorders of skin and musculoskeletal system.

Skin:-

- Dermatitis.
- Arne vulgaris.
- Allergies and eczema.
- Psoriasis.
- Malignant melanoma.
- Alopecia.

Musculoskeletal system:

- Muscles, ligaments and joints- Inflammation infection, trauma.
- Bones—Inflammation, infection, dislocation fracture, tumor and trauma.
- Arthritis.
- Spinal defects.
- Pagel's disease.

UNIT-5

Nursing manage of patient with disorders of endocrine system and immunological problems:-

- Review of anatomy and physiology of endocrine system.
- Review of immune system.
- Entiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities, and medical, surgical and nursing management of
 - Disorders of thyroid and parathyroid.
 - Diabetes mellitus.
 - Diabetes insipidus.
 - Pituitary disorders.
- Immune deficiency disorder.
- AIDS.
- Infection control program. • Rehabilitation.

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B.VOC Health Care & Nursing Course

Paper-10 - Semester-3

Syllabus- COMMUNITY HEALTH NURSING

UNIT-1

INTRODUCTION TO MANAGEMENT IN NURSING:

- Definition, concept & scope of community health nursing.
- Pre and post independence.
- Health planning and policies and problems.
 - Natural health planning in India.
 - Central council for health and family welfare (CCH & FW).
 - Health problems in India.
 - National population policy.

UNIT-2

Delivery of community health services:-

- Planning, budgeting and material management of SC's, PHC and CHC.
- Rural: Organization, staffing and functions of rural health services provided by government at:
 - Village.
 - Sub centre.
 - PHC.
 - CHC.
 - Hospitals.
 - District.
 - State.
 - Centre.

Urban:- Organization, staffing and functions of urban health services.

- Slums.
- Dispensaries.
- Maternal and child health centre.
- Special clinics.
- Hospitals.
- Corporation/municipality/board.

Components of health services:-

- Environmental sanitation.
- Health education.
- Vital statistics.
- Vital statistics.
- Family welfare.
- National health programmes.

UNIT-3

Home Visit:-

- Concept, principles of home visit.
- Bag technique home visit.
- Qualities of community health nurse.

Assisting individuals and groups to promote and maintain their health:-

A) Assessment of self and family:

- Monitoring growth and development.
- Milestone.
- Weight measurement
- Social development.
- Temperature and blood pressure monitoring.
- Menstrual cycle.
- Breast self examination.

B) Seek health services for:

- Routine checkup.
- Immunization.
- Counseling, diagnosis, treatment.
- Follow-up.

UNIT-4

National health and family welfare programmes and role of nurse:-

- National ARI programme.
- RNTCP.
- National anti-malaria programme.
- National filarial programme.
- National leprosy eradication programme.
- National AIDS control programme.
- National programme for control of blindness.
- Iodine deficiency disorder programme.
- Immunization programme.
- National family welfare programme.
- National water supply sanitation programme.
- 20 points programme.
- ICDS; ESI.
- Mid-day meal programme.

UNIT-5

Health Agencies:-

International:- WHO, UNFPA, UNDP, World Bank, UNICEF, DANDIA, ILO, USAID, INESCO, Colombo Plan, CARE.

National:-

- Indian Red Cross.
- Indian Council of Child Welfare.
- Family PLANNING ASSOCIATION OF INDIA.
- Hindu Kusht Nivaran Sangh.

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B.VOC Health Care & Nursing Course

Semester-4

MEDICAL SURGICAL NURSING- 2 (THEORY)-Paper-11

UNIT-1

NURSING MANAGEMENT OF PATIENT WITH DISORDERS OF EAR NOSE AND THROAT:

- Review of Anatomy and physiology of the Ear Nose and Throat.
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment and medical surgical and Nursing management.
- External Ear- Otitis
- Middle Ear- Impacted wax, mastoiditis.
- Inner Ear- labyrinthitis
- Upper airway infections- common cold sinusitis
- Speech defects and speech therapy

UNIT-2

Nursing management of patient with disorders of Eye:-

- Review of Anatomy and physiology of the eye.
- Nursing assessment- History and physical assessment.
- Etiology, pathophysiology, clinical manifestations, diagnosis, treatment and medical & surgical management of eye disorders:-
 - Refractive errors
 - Eyelids – infections
 - Conjunctiva – inflammation and infection, bleeding.
 - Cornea – inflammation & infection
 - Glaucoma
 - Lens – cataracts
 - Blindness
- National Blindness control programme.

UNIT-3

Nursing Management of patient with Neurological disorders:-

- Review of Anatomy and physiology of the Neurological system.
- Congenital malformation.
- Headache.
- Head injuries.
- Spinal injuries.
 - Paraplegia
 - Hemiplegia
 - Quadriplegia
- Infections
 - Meningitis
 - Encephalitis

- Brain abscess
- Movement disorders
- Epilepsies
- Cerebro vascular accidents
- Degenerative diseases
- Delirium
- Dementia
- Alzheimer's disease
- Management of unconscious patient with stroke

UNIT-4

NURSING MANAGEMENT OF PATIENTS WITH DISORDERS OF FEMALE REPRODUCTIVE SYSTEM:-

- Review of Anatomy and Physiology of the female reproductive system.
- Breast self examination.
- Menstrual disorders: Dysmenorrhea, Amenorrhea, pre menstrual syndrome
- Abnormal uterine bleeding: menorrhagia
- Pelvic inflammatory disease
- Contraception—types, methods, risk and effectiveness.
- Spacing methods
- Sterilization
- Emergency contraception
- MTP Act

UNIT-5

NURSING MANAGEMENT OF PATIENTS WITH BURNS AND EMERGENCY DISASTER MANAGEMENT

- Review of Anatomy and physiology of the skin and connective his tissue
- Nursing Assessment- History and physical assessment electrolyte loss.
- Etiology, classifications, pathophysiology clinical manifestations, diagnosis, treatment medical, surgical and Nursing Management.
- Emergency Disaster:
 - Disaster Nursing – Concept and principles of disaster nursing.
 - Causes and types of disaster: Natural and man mad.
 - Earthquakes, floods, Epidemics, cyclones, Fir, accidents.
- Emergency
 - Respiratory emergency
 - Cardiac emergency
 - Obstetrical emergency

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B.VOC Health Care & Nursing Course

MENTAL HEALTH NURSING - Paper-12

UNIT-1

Introduction:

- Definition of mental health nursing
- Prevalence and incidence of mental health problems and disorders
- Mental Health Act
- National Mental Health policy
- National Mental Health programme
- Mental health team
- Nature and scope of mental health nursing
- Concepts of normal and abnormal behavior
- Classification of mental disorders : ICD and groups: stress, crisis and disaster

UNIT-2

Assessment of Mental Health Status:-

- History taking
- Mental status examination.
- Mini mental status examination
- Neurological examination review
- Investigations: related blood chemistry, ECG & MRI
- Psychological tests
- Role and responsibilities of nurse

Therapeutic Communication and Nurse-Patient Relationships:-

- Therapeutic communication: types, techniques, characteristics
- Types of relationship
- Review of technique of IPR-johari Window

UNIT-3

Treatment Modalities and Therapies used in Mental Disorders:-

- Psycho Pharmacology
- Alternative systems of medicine
- Occupational therapy
- Physical therapy: electro convulsive therapy
- Geriatric considerations
- Role of nurse in above therapies

Nursing Management of Patient with Schizophrenia, and other Psychotic Disorders:

- Treatment modalities and nursing management of patients with schizophrenia, and other psychotic disorders
- Follow-up and home care and rehabilitation

UNIT-4

Nursing Management of Patients with Mood Disorders:

- Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc
- Etiology, psycho- pathology, Clinical manifestations, diagnosis
- Treatment modalities and nursing management of patients with mood disorders
- Anxiety disorder, phobia, obsessive compulsive disorder.
- Nursing assessment-history, physical and mental assessment
- Geriatric considerations
- Follow-up and home care and rehabilitation.

UNIT-5

Nursing Management of Childhood and Adolescent Disorder Including Mental Deficiency:

- Classification
- Etiology, psycho-pathology, characteristics, diagnosis
- Nursing Assessment- history, physical and mental and IQ assessment
- Treatment modalities and nursing management of childhood and adolescent disorders including mental deficiency:
- Follow-up and home care and rehabilitation

Nursing Management of Organic Brain Disorders:

- Classification: ICF

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B.VOC Health Care & Nursing Course

Semester-4

PHARMACOLOGY - Paper-13

UNIT-1

General Pharmacology:-

- Sources of drugs
- Routes of drug administration
- Pharmacokinetics: Absorption, Distribution, metabolism, Interaction & Excretion
- Pharmacodynamics
- Chemotherapy:- (Dose, Administration, Pharmacological effects, Toxicity, role of Nurse)**
- Penicillins and cephalosporins.
- Sulfonamides and CO- Trimaxazole
- Antitubercular drugs
- Broad spectrum Antibiotics
- Chemotherapy of cancer
- Chemotherapy of Urinary tract infections.
- Chemotherapy of leprosy
- Antifungal and Antiviral agents
- Drugs for protozoal infections
- Anti malarial
- Anti helminthic drugs
- Antiseptics & Disinfectants

UNIT-2

Drugs of GIT and Respiratory system

GIT(Gastro Intestinal Tract):-

- Drugs used in peptic ulcer
- Emetics & Antiemetics
- Drugs in constipation(purgatives)
- Drugs used in the treatment of Diarrhea

Respiratory System:-

- Drugs for Bronchial Asthma
- Anti Tussives

UNIT-3

Drugs of central Nervous System and Cardio Vascular System:-

Central Nervous System:-

- General Anesthetics
- Local Anesthetics
- Analgesics and antipyretics
- Anti epileptic drugs
- Non-Steroidal Anti inflammatory drugs

- Hypnotics & Sedatives: Opioid & nonopioid
- Anti Psychotics
- Anti depressant

Cardiovascular System:

- Diuretics
- Drugs for congestive heart failure
- Drugs for hypertension
- Blood: Oral Anticoagulants

UNIT-4

Vaccine & Sera Vitamins & Mineral:

- Vaccine and Sera
- Vitamins , Minerals; Vitamin A,B Complex, Vitamin D, Vitamin K, Vitamin 'C'
- Minerals: Iron, Zinc

Drugs for Hormonal disorders:

- Hormonal contraception, ovulations inducers, oxytocin, tocolytics.
- Insulin, Oral hypoglycemic drugs
- Anti thyroid drugs
- Drugs effecting calcium balance
- Prostaglandins

UNIT-5

Toxicology:

- Treatment of poisoning (Toxicology)
- Drugs of organophosphorus poisoning
- Heavy metal intoxication (chelating agents)

Dermatology, Ear Nose and Eye:

- Drugs used in the treatment of eye diseases : eye ointments sub conjunctival injections, drugs of glaucoma and miotics, Anesthetics miscellaneous agents & the nose

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B.VOC Health Care & Nursing Course
Semester-5

Midwifery and Obstetrical Nursing – 1- Paper-14

UNIT-1

Introduction to Midwifery and Obstetrical Nursing:-

- Introduction to concepts of Midwifery and obstetrical nursing
- Trends in Midwifery and obstetrical nursing: historical perspectives and current trends, Role of nurse in midwifery and obstetrical care, National policy and legislation in relation to maternal health and welfare, maternal, morbidity, mortality.

UNIT-2

Review of Anatomy and Physiology of Female Reproductive System and Foetal Development:-

- Female pelvis- general description of the bones, joints, ligaments, diameters of the true pelvis, important landmarks
- Female organs of reproduction- external genitalia, internal genital organs and their anatomical relations, musculature- blood supply, nerves.
- Physiology of menstrual cycle
- Foetal development, conception
- Review of fertilization, the foetal sac, amniotic fluid, the umbilical cord
- Foetal circulation, foetal skull, bones.

UNIT-3

Assessment and Management of Pregnancy(Antenatal):-

- Normal pregnancy
- Physiological changes during pregnancy
- Diagnosis of pregnancy: signs, differential diagnosis
- Antenatal care: history and physical examination, antenatal examination.
- Screening and assessment for high risk
- Modalities of diagnosis; invasive & non-invasive, ultrasonography, cardiotomography, NST, CST
- Antenatal preparation: antenatal preparation: antenatal diet, education for child

UNIT-4

Assessment and Management of Intra-natal Period:-

- Physiology of labour, mechanism of labour
- **Management of labour: First stage:**
signs and symptoms of onset of labour;
preparation of labour room: assessment and observation of women in labour, partogram – maternal and foetal monitoring, active management of labour, induction of labour.
- **Second stage:**

Signs and symptoms; normal and abnormal, duration, conduct of delivery.

- Principles and techniques, episiotomy (only if required), receiving the new born – care of umbilical cord, immediate assessment including screening for congenital anomalies, identification, bonding, initiate feeding

- **Third stage:**

Signs and symptoms; method of placental expulsion.

Management: Placental expulsion, principles and techniques, examination of the placenta, examination of the perineum

- **Maintaining record and reports**

- Fourth stage

UNIT-5

Assessment and Management of Women During Post Natal Period

- Normal puerperium; physiology duration
- Postnatal assessment and management: promoting physical and emotional well-being, lactation management, immunization
- **Family welfare services: methods, counseling**
- Follow-up
- Records and reports

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Semester-5

Child Health Nursing –Paper-15

UNIT-1

Introduction:-

- Modern concepts of child care
- Internationally accepted rights of the child
- National programmes related to child health and welfare
- Agencies related to welfare services to the children
- Child morbidity and mortality rates
- Differences between an adult and child
- The role of a child health nurse in caring for hospitalized child

UNIT-2

The Healthy Child:-

- Principles of growth and development
- Factors affecting growth and development
- Growth and development from birth to adolescence
- Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary/ artificial feeding and weaning
- Baby friendly hospital concept
- Accidents: causes and prevention

UNIT-3

Nursing care neonate

- Nursing care of Normal newborn/essential newborn care
- 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

UNIT-4

**Integrated Management Neonatal and childhood Illness(IMNCI):
Nursing Management in Common Childhood Diseases:**

- Nutritional deficiency disorders and infections
- Respiratory disorders and infections
- Gastrointestinal infections, infestations and congenital disorders

- Cardio vascular problems : Congenital defects and rheumatic fever ,rheumatic heart disease
 - Neurological infections and disorders
 - Genito-urinary disorders
- : convulsions, expilepsy, meningitis, hydrocephalus, spina-bifida

UNIT-5

Management of Behavioral & Social Problems in children:

- Management of common behavioral disorders
- Management of common psychiatric problems
- Management of challenged children: Mentally, Physically & Socially challenged
- Welfare services for challenged children in India
- Child guidance clinics

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Semester-5
Communication & Education Technology –Paper-16

UNIT-1

Review of communication Process:-

- Process: Elements and channel
- Barriers and methods of overcoming
- Applications of evidenced- based Nursing practice on barriers and methods of communication (Group assignments)

Interpersonal Relationships:

- Purpose & Types
- Johari Window

Human Relations

- Understanding self
- Social behavior, motivation, social attitudes.
- Human relations in context of nursing
- Group dynamics
- Incorporation of evidence- based nursing education in understanding human relation (Small group assignment)

UNIT-2

Guidance and Counseling:

- Definition
- Purpose, Scope and need
- Counseling process
- Managing disciplinary problems
- Development and apply evidence based practice in guidance and counseling (Group Interaction)

UNIT-3

Principles of Education & Teaching learning Process:-

- Education: Meaning, Philosophy, Aims, Functions & Principles.
- Characteristics of learning
- Lesson planning
- Classroom management
- Demonstrate evidence- based nursing in teaching learning process (Group assignment)

UNIT-4

Method of Teaching:

- Lecture, demonstration, group discussion seminar, symposium, panel discussion Roleplay, project, field trip, workshop, exhibition.
- Clinical Teaching methods: Case method, Nursing rounds & Report, bedside clinic, conference.

- Demonstration of all methods of teaching and role play.
- Educational Media:
 - Purposes & types of A.v.aids
 - Graphic aids: Chalk board, chart, graph, poster, flash cards
 - Printed aids: pamphlets & leaflets
 - Projected aids: slides, over head projectors, films, TV, VCR/VCD, camera
 - Computer
- Application of evidence- based Nursing practice in use of A.V.aids (Group presentation)

UNIT-5

Information, Education & Communication for health (IEC):

- Health behavior & Education
- Planning for health education
- Health education with individuals, groups, communities.
- Using mass media
- Identify, demonstration and practice of evidence- based Nursing education in IEC (Group assignment)

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MIDWIFERY AND OBSTETRICAL NURSING-2 –Paper-17

UNIT-1

High –Risk Pregnancy- Assessment & Management:-

- Screening and Assessment : NST, CST, non-invasive & invasive, newer modalities of diagnosis
- High risk approach
- Levels of care: Primary, secondary & tertiary levels
- **Disorders of Pregnancy:**
 - Hyper-emesis gravidarum.
 - Bleeding in early pregnancy
 - Abortion, ectopic pregnancy.
 - Ante-partum hemorrhage.
 - Multiple pregnancy
 - Abnormalities of placenta & cord
 - Intra- uterine growth retardation
 - Nursing management of mother with high- risk pregnancy
 - Maintenance of reports

UNIT-2

Abnormal Labour- Assessment and Management:

- Disorder in labour:
 - CPD and contracted pelvis,
 - o Malpositions and malpresentations,
 - o Premature labour,
- Obstetrical emergencies and their management:
 - o Presentation and prolapsed of cord
 - o Vasa praevia
 - o Shoulder dystocia
- Obstetrical procedures and operations:
 - o Induction of labour forceps, vacuum versions,
 - o Manual removal of placenta, caesarean section

UNIT-3

Abnormalities During Postnatal Periods:-

- Assessment and management of woman with postnatal complications:
 - Puerperal infections
 - Breast engorgement & infections
 - Post partum hemorrhage,
 - UTI
 - Eclampsia and sub involution,

Psychological complications:

- Post partum blues
- Post partum depression
- Post partum psychosis

UNIT-4**Pharmacotherapeutics in Obstetrics:**

- Indication, dosage, action, contra indication and side effects of drugs
- Effect of drugs on pregnancy, labor & puerperium
- Nursing responsibilities in the administration of drug in obstetrics- oxytocins
Anti hypertensive, diuretics, tocolytic agents, anti-convulsions
- Analgesics and anesthetics in obstetrics

UNIT-5**Family Welfare Programme:**

- Population trends and problems in india
- Concepts, aims, importance and history of family welfare programme
- National family welfare programme:RHS, ICDS,MCH safe motherhood
- Methods of contraception: Spacing, temporary and permanent, emergency contraception
- 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, LHV's, Anganwadi workers, TBA(Traditional birth attendant)

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Semester-6
NURSING RESEARCH AND STATISTICS – PAPER - 18

UNIT-1

Research and Research process:-

- Introduction and need for nursing research
- Definition of Research and nursing research
- Characteristics of good research
- Steps of Research process- overview

Research Problem/Question:

- Identification of problem area
- Problem statement
- Criteria of a good research problem

UNIT-2

Review of Literature:

- Location, sources, Online search, CINHALL, COCHRANE etc.
- Purposes, Method of Review

Research approaches and Designs:

- Historical, survey and experimental- Qualitative and Quantitative designs.

UNIT-3

Sampling and Data Collection:-

- Definition of Population, Sample, Sampling criteria, factors influencing sampling process, types of sampling techniques.
- Data- why, what, from whom, when and where
- Data collection methods and instruments: Methods of data, Questioning, Observations, Validity & Reliability.
- Data collection procedure.

Analysis of Data:

- Compilation, Tabulation, summarization, interpretation of data.

UNIT-4

Introduction to Statistics

- Introduction, use of statistics, scales of measurement.
- Frequency distribution and graphical presentation of data.
- Mean, Median, Mode, Standard deviation.
- Normal Probability and
- tests of significance
- Co-efficient of correlation

UNIT-5

Communication and Utilization of Research:

- Communication of research findings: Verbal report, writing research report, critical review of publisher, research

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Management of Nursing Services – PAPER - 19

UNIT-1

Introduction to Management in Nursing:-

- Definition, concepts and theories
- Functions of management
- Principles of management
- Role of a nurse as a manager

UNIT-2

Management Process:-

- Planning, mission, philosophy, objectives, operational plan.
- Staffing: Philosophy, study, norms, classification systems.
- Human resource management: recruiting, selecting, development.
- Budgeting: Concept, principles, types, cost
- Material management: equipment and supplies

UNIT-3

Management of Nursing Services in the Hospital and Community:-

- Planning- Hospital and patient care units including ward management
- Emergency and disaster management
- Controlling/Evaluation:-Nursing rounds/visits, Nursing protocols, Manuals
- Quality assurance Model, documentation- CD Records and reports performance appraisal

UNIT-4

Organizational Behavior and Human Relations:-

- Leadership styles
- Review of Motivation: concept and theories
- Group of dynamics
- Techniques of – communication, interpersonal relationships and human relations
- Relations with professional associations and employee unions and collective bargaining

In-service Education:-

- Nature and scope of in-service education program
- Organization of in-service education
- Principles of adult learning

UNIT-5

Management of Nursing Educational Institutions:-

- Establishment of nursing educational institution- INC norms and guidelines

- Coordination with- Regulatory bodies, Accreditation, Affiliation, Organization, Structure, Admission, Guidance and Counseling
- Maintaining Discipline: Faculty and staff a selection, Recruitment, Job description, Placement,
- Budgeting
- Equipment and supplies; audio visual equipments, laboratory equipment, books, journals etc.,
- Curriculum; Planning, implementation and evaluation.