

8. Surgical dressing like cotton, gauze, bandage and adhesive tapes including their pharmacopocial test for quality. Other hospital supplies e.g. I V sets, Ryals tubes, D.G. sets, Catheters, Syringes etc.
9. Application of Computer in maintenance of records, inventory control, medication monitoring, drug information and data storage and retrieval in hospital and retail pharmacy establishments.

Part-2 - Clinical Pharmacy

1. Introduction to Clinical Pharmacy Practice- definition, scope.
2. Modern dispensing aspects- Pharmacists and patient counseling and advice for the use of common drugs, medication history.
3. Common daily terminology used in practice of medicine.
4. Diseases, manifestation and pathophysiology including salient systems to understand the disease like Tuberculosis, Hepatitis, Rheumatoid Arthritis, Cardiovascular diseases, Epilepsy, Diabetes, Peptic Ulcer, Hypertension.
5. Physiological parameters with their significance.
6. Drug Interactions:
 - (a) Definition and introduction,
 - (b) Mechanism of drug interaction,
 - (c) Drugs- drug interaction, with reference to analgesics, diuretics, cardiovascular drugs, Gastrointestinal agents, Vitamins and Hypoglycemic agents.
 - (d) Drug- food interaction.
7. Adverse drug reactions: definition and significance. Drugs- induced diseases and Teratogenicity.
8. Drugs in clinical Toxicity- Introduction, general treatment in poisoning, systematic antidotes, Treatment of insecticide poisoning, heavy metal poison, Narcotic drugs, Barbiturates, Organo phosphorous poison.
9. Drug dependence, drug abuse, addictive drugs and their treatment, complication.
10. Bio- availability of drugs including factors affecting it.

SYLLABUS FOR GRADE “A” NURSE

Fundamental of Nursing

Nursing as a profession, its scope, etiquette & ethics. Basic nursing procedures for the care of the patients with an understanding of the scientific principles involved, Maintenance of records of patients and nursing care.

Basic Science

Anatomical and biochemical structures to explain the physiological functions of human body and factors, which may disturb these, and mechanism of such disturbance. Various groups of micro-organisms of clinical importance.

Community Health Nursing

Concept of Health, Community Health practices, Health problems and policies, Health Organization, Role of Health team, Structure of Community, Rural community, Dynamics of Community, Community need assessment, Community methods & Media, Counseling, Community based Rehabilitation, Concept of Family Planning.

Health Promotion

Nutrition - Essential nutrients, Nutritional problems, prevention and management, Nutritional assessment, promotion of Nutrition, Therapeutic diets for various disease conditions.

Human body and Hygiene - The Human Body, Hygiene of the Body, Optimal functioning of the Body.

Environmental Sanitation – Environmental Sanitation, Safe water, Disposal of Excreta and Waste, Community participation.

Mental Health – Mental Health, Maladjustment, Mental illness, Old age care.

Psychology and Psychiatric Nursing – Normal and deviation in behavior among various age group and their cause, Principles of psychology and its application in health and diseases, therapies utilized in psychiatry and the various roles of nurses in psychiatric nursing.

Primary Health Care

Infection and Immunization – Concept of Disease, Infection, Immunity and Body defense mechanisms, immunization, Collection of Specimen (Principles & Methods), Disinfection and Sterilization, waste Disposal.

Communicable Diseases – Introduction to Communicable diseases, Communicable diseases, Care in Communicable diseases, Epidemic Management.

Community Health Problems – Care of the Sick In the Community, Fever (Vital signs), Respiratory problems (Types & Classification), Aches and Pains (Nursing Management), Digestive problems, Urinary Problems, Cardiovascular problems (Signs & Symptoms), Diseases of the nervous system (Neurological problems, Metabolic diseases, Diseases of Musculo-skeletal system, care of Handicap.

Primary Medical Care – Types of Drugs, Administration of Drugs, Drugs used in minor ailments, Common Emergency Drugs, Toxic Symptoms related to common drugs and poisons,

First Aid and Referral – Need for First Aid, Minor Injuries and Ailments, Fractures, Life threatening conditions, First aid in case of disaster, emergency and accidents.

Medical and Surgical Nursing – Patho-physiology, symptoms, treatment and prophylactic measures in common medical and surgical condition, Common equipment used in Operation Theater, Anesthesia and their effects and dangers, Care of critically ill patients.

Child Health Nursing

Growth & Development, Nutrition of Infants and Children, Children's Rights, Basic principles involved in pediatric nursing, Nursing Management to neonates and children with medical and surgical disorders, Care of the sick child, Care of School children, School Health, Care of Adolescents, Care of Adolescent girls.

Midwifery

Human Reproductive System, Female Pelvis and Foetal skull, Foetus and Placenta, Normal Pregnancy, Antenatal Care, Normal Labour, Care during Normal labour, Normal puerperium, Episiotomy and suture as first and second degree tear, Care of New-born, High risk New-Born, Safe Mother-hood, High risk Pregnancies, Abnormalities of pregnancy, Domiciliary Services to mothers and children, Abortion, Abnormal childbirth, Abnormal puerperium, Surgical Intervention, Medications used In midwifery, Life cycle approach, Status of women and empowerment, women Health Problems, RTIs and STIs, HIV/AIDS, Infertility, Population Education, Family welfare.

Health Centre Management

The Sub-centre, Maintenance of Stock, Co-ordination, Implementation of National health programs, Update knowledge.

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