

SYLLABUS FOR
MEDICAL OFFICER

[100 Marks: 100 Questions]

GENERAL MEDICINE

- 1) Cardiology Comprehensive study of cardiovascular system disorders and treatments.
- 2) Respiratory Diseases Examination of pulmonary conditions and respiratory tract management.
- 3) Gastro-intestinal Study of digestive system, including related organs and disorders.
- 4) Genito-Urinary Assessment and treatment of urological and reproductive system conditions.
- 5) Neurology Investigation of nervous system disorders and neurological conditions.
- 6) Hematology Analysis of blood disorders and related conditions.
- 7) Endocrinology Study of hormonal systems and related disorders.
- 8) Metabolic Disorders Understanding of metabolic processes and associated conditions.

Infections/Communicable Diseases

- 1) Viral infections and management
- 2) Rickettsial diseases
- 3) Bacterial infections
- 4) Spirochetal conditions
- 5) Protozoal diseases
- 6) Metazoan infections
- 7) Fungal conditions

Nutrition and Growth

- 1) Assessment of nutritional requirements and growth patterns.

Dermatology

- 1) Study of skin conditions and treatments.

Musculoskeletal System

- 1) Examination of bone, joint, and muscle disorders.

Psychiatry

- 1) Depression
- 2) Psychosis
- 3) Anxiety
- 4) Bipolar disorders
- 5) Schizophrenia

Emergency Medicine

- 1) Management of acute medical conditions.

Common Poisoning

- 1) Treatment protocols for various toxic exposures.

Snake Bite

- 1) Management and treatment of snake envenomation.

Tropical Medicine

- 1) Study of diseases prevalent in tropical regions.

Critical Care

- 1) Medicine Management of critically ill patients.

Additional Areas

- 1) Medical procedures and their implementation
- 2) Pathophysiological basis of diseases
- 3) Vaccine-preventable and non-vaccine-preventable diseases
- 4) Vitamin deficiency disorders

PEDIATRICS

- 1) Common Childhood Emergencies Management of acute pediatric conditions.
- 2) Basic Newborn Care Essential neonatal care protocols.
- 3) Normal Developmental Milestones Assessment of child growth and development.
- 4) Accidents and Poisonings in Children Emergency management of pediatric trauma and toxicity.
- 5) Birth Defects and Counseling Including autism spectrum disorders.
- 6) Immunization in Children Vaccination schedules and protocols.
- 7) Special Needs Management Recognition and care of children with special requirements.

National Child Health Programs

- 1) Implementation and monitoring of healthcare initiatives.

General Surgery

- 1) Wound management
- 2) Infection control
- 3) Tumor treatment
- 4) Lymphatic system disorders
- 5) Blood vessel conditions
- 6) Cysts and sinuses
- 7) Head and neck surgery
- 8) Breast procedures
- 9) Alimentary tract surgery (esophagus, stomach, intestines, anus, developmental)
- 10) Liver, bile, and pancreas procedures
- 11) Splenic surgery
- 12) Peritoneal conditions
- 13) Abdominal wall procedures
- 14) Trauma management

Specialized Surgical Fields

- 1) Urological Surgery
- 2) Neurosurgery
- 3) Otorhinolaryngology (ENT)
- 4) Thoracic Surgery
- 5) Orthopedic Surgery
- 6) Ophthalmology
- 7) Anesthesiology
- 8) Traumatology

Surgical Care

- 1) Common surgical ailment management
- 2) Pre and post-operative care
- 3) Medicolegal and ethical considerations
- 4) Wound healing principles
- 5) Fluid and electrolyte management
- 6) Shock pathophysiology and treatment

Obstetrics

- 1) Antenatal care
- 2) Intranatal management
- 3) Postnatal care
- 4) Normal and complicated labor management

Gynecology

- 1) Applied anatomy
- 2) Menstruation and fertilization physiology
- 3) Genital tract infections
- 4) Neoplasms
- 5) Uterine displacement
- 6) Safe delivery practices
- 7) High-risk pregnancy management
- 8) Abortion care
- 9) Intrauterine growth retardation

Family Planning

- 1) Conventional contraception
- 2) Intrauterine devices and oral contraceptives
- 3) Sterilization procedures
- 4) Medical termination of pregnancy
- 5) Urban and rural program organization

Social Medicine and Healthcare

- 1) Health, disease, and preventive medicine concepts
- 2) Healthcare administration
- 3) General epidemiology
- 4) Demographics and health statistics
- 5) Environmental health
- 6) Nutrition
- 7) Non-communicable diseases
- 8) Occupational health
- 9) Genetics and health
- 10) International health standards
- 11) Medical sociology
- 12) Health education
- 13) Maternal and child wellness
- 14) National health programs
- 15) Bio-Medical Waste Management.
- 16) Geriatrics

Community Health Management

- 1) Common health problem monitoring
- 2) National program implementation
- 3) Community health emergency response
- 4) Malnutrition management
- 5) Investigation and reporting protocols
- 6) Adult Vaccination.