

Syllabus for descriptive type Subject Aptitude Test (SAT) for recruitment to the post of Medical Officer (General Wing) in the Department of Health and Family Welfare, H.P. The SAT shall be of 03 hours duration having 120 marks. The SAT paper shall have two parts, i.e. Part-I and Part-II covering following topics of Bachelor of Medicine and Bachelor of Surgery (MBBS) level.

PART-I (60 MARKS)

(a) General Medicine including the following-

- (i) Cardiology
- (ii) Respiratory diseases
- (iii) Gastro-intestinal
- (iv) Genito-Urinary
- (v) Neurology
- (vi) Hematology
- (vii) Endocrinology
- (viii) Metabolic disorders
- (ix) Infections/Communicable Diseases
 - a) Virus
 - b) Rickettsial diseases
 - c) Bacterial
 - d) Spirochetal
 - e) Protozoan
 - f) Metazoan
 - g) Fungus
- (x) Nutrition/Growth
- (xi) Diseases of the skin (Dermatology)
- (xii) Musculoskeletal System
- (xiii) Psychiatry
- (xiv) General
- (xv) Emergency Medicine
- (xvi) Common Poisoning
- (xvii) Snake bite
- (xviii) Tropical Medicine
- (xix) Critical Care Medicine
- (xx) Emphasis on medical procedures
- (xxi) Patho physiological basis of diseases

(xxii) Vaccines preventable diseases and Non vaccines preventable diseases

(xxiii) Vitamin deficiency diseases

(xxiv) In psychiatry include – Depression, psychosis, anxiety, bipolar diseases and Schizophrenia.

(xxv) **Inborn errors of metabolism, Hereditary mapping**

(xxvi) **Medical Genetics and chromosomal disorders**

(xxvii) **Adult immunization**

(b) **Paediatrics including the following -**

(i) Common childhood emergencies, **Protein Energy Malnutrition**

(ii) Basic new born care,

(iii) Normal developmental milestones,

(iv) Accidents and poisonings in children,

(v) Birth defects and counseling including autism,

(vi) Extended Immunization Schedule in children,

(vii) Recognizing children with special needs and management, and

(viii) National programmes related to child health.

PART-II (60 MARKS)

(a) **Surgery-**

(Surgery including ENT, Ophthalmology, Traumatology and Orthopaedics)

(I) General Surgery

i) Wounds

ii) Infections

iii) Tumours

iv) Lymphatic

v) Blood vessels

vi) Cysts/sinuses

vii) Head and neck

viii) Breast

ix) Alimentary tract

a) Esophagus

b) Stomach

c) Intestines

d) Anus

e) Developmental

x) Liver, Bile, Pancreas

- xi) Spleen**
- xii) Peritoneum**
- xiii) Abdominal injuries and Abdominal wall**

- (II) Urological Surgery**
- (III) Neurosurgery**
- (IV) Otorhinolaryngology E.N.T.**
- (V) Thoracic surgery**
- (VI) Orthopedic surgery**
- (VII) Ophthalmology**
- (VIII) Anesthesiology**
- (IX) Traumatology**
- (X) Diagnosis and management of common surgical ailments**
- (XI) Pre-operative and post operative care of surgical patients**
- (XII) Medicolegal and ethical issues of surgery**
- (XIII) Wound healing**
- (XIV) Fluid and electrolyte management in surgery**
- (XV) Shock patho-physiology and management.**
- (XVI) Burns- Calculation of body area, degree, management**

(b) GYNAECOLOGY & OBSTETRICS

(I) OBSTETRICS

- i) Ante-natal conditions**
- ii) Intra-natal conditions**
- iii) Post-natal conditions**
- iv) Management of normal labours or complicated labour**
- v) Fetal medicine**

(II) GYNAECOLOGY

- i) Questions on applied anatomy**
- ii) Questions on applied physiology of menstruation and fertilization**
- iii) Questions on infections in genital tract**
- iv) Questions on neoplasma in the genital tract**
- v) Questions on displacement of the uterus**
- vi) Normal delivery and safe delivery practices**
- vii) High risk pregnancy and management**
- viii) Abortions**

- ix) Intra Uterine growth retardation
- x) Medicolegal examination in obgy and Gynae including Rape.

(III) FAMILY PLANNING

- i) Conventional contraceptives
- ii) U.D. and oral pills
- iii) Operative procedure, sterilization and organization of programmes in the urban and rural surroundings
- iv) Medical Termination of Pregnancy

(c) PREVENTIVE SOCIAL AND COMMUNITY MEDICINE

- I** Social and Community Medicine
- II** Concept of Health, Disease and Preventive Medicine
- III** Health Administration and Planning
- IV** General Epidemiology
- V** Demography and Health Statistics
- VI** Communicable Diseases
- VII** Environmental Health
- VIII** Nutrition and Health
- IX** Non-communicable diseases
- X** Occupational Health
- XI** Genetics and Health
- XII** International Health
- XIII** Medical Sociology and Health Education
- XIV** Maternal and Child Health
- XV** National Programmes
- XVI** Management of common health problems
- XVII** Ability to monitor national health programmes
- XVIII** Knowledge of maternal and child wellness
- XIX** Ability to recognize, investigate, report, plan and manage community health problems including malnutrition and emergencies.
