

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

Syllabus of the Written Test for Recruitment to the post of “Medical officer”

(a) GENERAL MEDICINE

- (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) Ricketts 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.

(b) PAEDIATRICS

- (i) Common childhood emergencies,
- (ii) Basic newborn care,
- (iii) Normal developmental milestones,
- (iv) Accidents and poisonings in children,
- (v) Birth defects and counselling including autism,
- (vi) Immunization in children,
- (vii) Recognizing children with special needs and management, and
- (viii) National programmes related to child health.

(c) 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 – Oesophagus, Stomach, Intestines, Anus, Developmental x) Liver, Bile, Pancreas xi) Spleen xii) Peritoneum xiii) Abdominal wall xiv) Abdominal injuries

(II) Urological Surgery

(III) Neuro Surgery

(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 pathophysiology and management.

(d) GYNAECOLOGY & OBSTETRICS

(I) Obstetrics i) Ante-natal conditions ii) Intra-natal conditions iii) Post-natal conditions iv) Management of normal labours or complicated labour

(II) Gynaecology

- i) Applied anatomy
- ii) Applied physiology of menstruation and fertilization
- iii) Infections in genital tract
- iv) Neoplasma in the genital tract
- v) 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

(e) 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.