

SUBJECT WISE AND PAPERWISE DISTRIBUTION OF THE SYLLABUS

ANATOMY

Paper- I

General Anatomy.
General Histology.
Gross Anatomy: (A) Upper Limb.
(B) Head & Neck.
(C) Neuro Anatomy.
Related Embryology, Histology and Applied Aspects.

Paper- II

General Embryology.
Genetics.
Gross Anatomy: (A) Thorax.
(B) Abdomen.
(C) Pelvis.
(D) Perineum.
(E) Lower Limb.
Related Embryology, Histology and Applied Aspects.

BIO-CHEMISTRY

Paper –I

Carbohydrates chemistry & Metabolism
Lipid chemistry and Metabolism
Amino Acids and Proteins – chemistry and metabolism
Enzymes

Biological oxidation
Haemoglobin, Myoglobin, and plasma proteins
Haemoglobin Metabolism (including jaundice and porphyrias)
Xenobiotic
Physical Chemistry
Acid Base Balance
<u>Paper –II</u>
Molecular Biology- DNA, RAN, Genetic Engineering etc.
Immunology
Nutrition including Minerals and vitamins
Medial Biotechnology
Glycoproteins and Extracellular Matrix
Nucleic acid Chemistry and Metabolism of Prunes& Pyrimidine's
Molecular Mechanisms in specialized Tissues
Cell Death and Aging
Molecular Biology of cancers
Bio membranes

PHYSIOLOGY

Paper –I

General Physiology
Blood & Immunity
GIT

Kidney, Micturition
CVS
Nutrition/Metabolism
Respiration
Related Applied

Paper - II

General Physiology
Nerve & Muscle
Endocrines, Bone Physiology
Reproduction
CNS, ANS
Special Senses
Environment Physiology
Related Applied

PHARMACOLOGY

Paper – I

General Pharmacology
Autonomic nervous system
Peripheral nervous system
Cardio vascular system
Drugs acting on Kidney
Drugs affecting blood and blood formation
Gastrointestinal system

Ocular pharmacology
Drugs used at extreme of age, in pregnancy
Diagnostic and chelating agents
Environmental and chelating pollutants
Vitamins

Paper –II

Central nervous system
Chemotherapy
Endocrinology
Dermatology
Autacoids
Respiratory system
Immune pharmacology
Vaccines and sera
Antiseptics and disinfectant

PATHOLOGY

Paper – I

General pathology inclusive of general neoplasia
Haematology inclusive of transfusion medicine

Paper –II

Clinical pathology systemic pathology inclusive of systemic neoplasia

MICROBIOLOGY

Paper – I

General Microbiology	Immunology
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Paper –II

Medical parasitology including applied aspects
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OPHTHALMOLOGY

Anatomy of eye
Physiology of eye
Refraction & Optics
Conjunctiva – disease & management
Cornea – diseases & management & keratoplasty
Cataract
Glaucoma
Sclera & Uveal Tract
Orbit – diseases & management
Lacrimal apparatus – diseases & management
Lids – diseases & management
Ocular emergency
Community Ophthalmology
Recent Advances in cataract surgery

ENT (OTORHINOLARYNGOLOGY)

Anatomy of Ear
Physiology of Hearing
Congenital lesions of Ear, ASOM, CSOM
Menier's disease
Otosclerosis

Noise pollution
Audio vestibular tests
Anatomy of Nose
DNS
Sinusitis
Benign and Malignant lesions of Nose & PNS
Nasal polyposis and allergy
Anatomy of Larynx & Laryngopharynx
Physiology of speech
Voice Disorders
Congenital lesion of Larynx
Recent advances including Laser, Cryosurgery, Radiofrequency
Foreign bodies, aero digestive systems.

COMMUNITY MEDICINE

Paper – I

Environmental Health
Occupational Health
Social Science
Mental Health
Health Education and Communication
Health Planning and Management
Health Care Delivery System

Health Legislation
National and International Health
Demography and Family Planning
MCH including RCH Programme & National Rural Health Mission
School Health
Geriatrics
Nutrition and Nutritional Disorders
Disaster Management

Paper –II

History of Medicine
Concept of Health and Disease
Genetics
Principles of Epidemiology
Statistical Methods
Morbidity and Mortality, fertility Indicators
Epidemiology of Communicable, Non Communicable Diseases and related National
Health programmes.

MEDICINE

Paper – I

Cardiology
Nephrology
Respiratory Disease & TB
Endocrinology & DM

GIT
Hepatology
CNS

Paper –II

Basic Principles of Medicine
Environmental & Nutritional disease
Infections disease + HIV
Immunology
Critical care
Poisoning
Oncology & Haematology
Psychiatry
Dermatology & STD
Metabolic & Genetic disorders
Miscellaneous

OBSTETRICS AND GYNAECOLOGY

Paper – I

Obstetrics including social obstetrics and new born care new born
Examination and care of new born & low birth weight babies.
Asphyxia and neonatal resuscitation.
Birth injuries, jaundice, and infections.

Paper –II

Gynaecology	Family Welfare and
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	Demography
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SURGERY

Paper –I

Section- A

Basic surgical skills and anastomoses.
Wound infection
Sterile precautions and theatre safety
Acquired immunodeficiency syndrome
Cycts, ulcers and sinuses
Burns
Accident and emergency surgery
Warfare injuries
Oral and oropharyngeal cancer
Disorders of the salivary glands
The thyroid gland and the thyroglossal tract
Parathyroid
The Breast
The Thorax
Arterial disorders
Venous disorders
Lymph oedema
The oesophagus

Section- B

Orthopaedics

Paper –II

Stomach and duodenum.
The Liver
The Spleen
The gall bladder and bile ducts
The pancreas
Adrenal glands
The peritoneum, Omentum, mesentery and retroperitoneal space.
The small and large intestines
Intestinal obstruction
The vermiform appendix
The Rectum
The anus and anal canal
Hernias, umbilicus and abdominal wall
Urinary symptoms, investigation of the urinary tract and anuria
The kidneys and ureters
The urinary bladders
The Prostrate and seminal vesicles
The urethra and penis
Testis and scrotum
Principles of paediatrics surgery
Radiology
Anaesthesia
Dentistry

And subjects not covered in paper –I

PAEDIATRICS

Growth and Development

Vital Statistics

Nutrition

Immunization

Infectious Disease

Haematology

Respiratory System

GIT

Central Nervous System

Cardiovascular System

Genitourinary System

Endocrinology

Neonatology

Paediatrics Emergency

Fluid & Electrolytes

Genetics

Behavioural Problems

Paediatrics Surgical Problems

Therapeutics

NOTE: Please note that there may be some overlapping between Paper-I & Paper – II and the students may contact their respective departments for any clarification/Doubts.