

PRACTICAL SCHEME

1. PHARMACOLOGY

PRACTICALS (80 Marks)

Practical – I (40 marks)	
.Prescription Writing	10 marks
.Audit	10 marks
.Clinical problem solving exercises	10 marks
.Dosage Calculation	5 marks
.Pharmaco economics	5 marks
PRACTICALS – II (40Marks)	
.OSPE	20 marks
.Qualitative / Quantitative experimental Pharmacology Charts	10 marks
.Clinical Pharmacology Charts	10 marks

VIVA -20 Marks

General Pharmacology, Autonomic Nervous system Central Nervous system Ocular Pharmacology	5 MARKS
Autacoids Drugs acting on <ul style="list-style-type: none">• Kidney• Cardiovascular system including Blood• Respiratory system• Gastrointestinal system Therapeutic gases	5 MARKS
Chemotherapy, Dermatological Pharmacology Immunomodulators	5 MARKS
Endocrines Enzymes in therapy Vitamins Toxicology	5 MARKS
TOTAL	20 MARKS

PORTION OF PAPER I AND PAPER II - PHARMACOLOGY

THEORY

Portion of Paper I

General Pharmacology,
ANS Pharmacology
CNS Pharmacology
CVS Pharmacology
RS Pharmacology
Autocoids
PNS (Peripheral Nervous System)

Portion of Paper II

Drugs – Hormones
GIT Drugs
Antimicrobial drugs
Chemotherapy OR Neoplastic drugs
Miscellaneous Drugs – Immunosuppressants,
Dermatology drugs,
Antiseptics / Disinfectants/ ectoparasiticide
Chelating agents
Vitamins

Theory Question Pattern

Core Competency Essay - 2 X 15 = 30 marks

Short Notes 10 x 5 = 50 marks

MCQ's 20 x 1 = 20 marks

2. PATHOLOGY

PRACTICALS (80 marks)

EXERCISES & SKILLS Duration Marks

1.	Peripheral smear staining & interpretation	30 minutes	10
2.	Hb estimation	20 minutes	5
3.	Urine	30 minutes	10
4.	Histopathology slides 1mark x 10	30 minutes	10
5.	Hematology 1mark x 5		5
6.	Cytology 1mark x 5		5
7.	Gross Specimens 2.5marks x 4	20 minutes	10
8.	OSPE 1) OSPE exercise: Blood - Grouping, Rh typing 2) Clinical Interpretation Skills OSPE Case based discussion - Hematology (1), Systemic (2) 3 case charts X 5 marks 3) OSPE spotters- H & E, Special Stains, IHC, Histotechniques, Autopsy/Gross 5X1 = 5 marks.	50 minutes	5
			15
			5

VIVA Total 20 marks

General Pathology	5 Marks
Systemic Pathology I	5 Marks
Systemic Pathology II	5 Marks
Hematology	5 Marks
TOTAL	20 MARKS

PORTION OF PAPER I AND PAPER II - PATHOLOGY

THEORY

Portions of Paper I

General Pathology:

Cell injury & Adaptations
Inflammation & Repair
Hemodynamic disorders
Genetics
Immunology
Neoplasia
Infectious diseases
Environmental and nutritional disorders
Infancy and diseases of Childhood

Haematology - RBC
- WBC
- Spleen and lymph nodes

- Platelet
- Blood Banking

Portions of Paper II

Systemic Pathology:

RS
CVS
Blood vessels
GIT
Liver, gall bladder and pancreas.
Kidney
MGT
FGT
Breast
Endocrinology
Skin
Bone, Joints and Soft tissue
CNS

Theory Question Pattern

Core Competency Essay - 2 X 15 = 30 marks

Short Notes 10 x 5 = 50 marks

MCQ's 20 x 1 = 20 marks

3. MICROBIOLOGY

PRACTICALS (80 marks)

1. Gram Staining	16 marks
2. AFB Staining	16 marks
3. Bacteriology	6 marks
4. Immuno Serology	6 marks
5. Parasitology	6 marks
6. Mycology	6 marks
7. Virology	6 marks
8. Spotters	10 marks
9. OSPE	2x4 marks =8marks
1. Hand Hygiene 2. Bio Medical waste management 3. Donning / Doffing 4. Interpretation of Antibiotic Sensitivity 5. Specimen Collection a. Blood b. Nasal Swab	

VIVA -20 Marks

General Bacteriology and Immunology	- 5 marks
Blood stream infections, CVS, GIT and Hepato biliary system	- 5 marks
Respiratory system, Genitourinary system and STD	- 5 marks
Skin and soft tissue, CNS, HAI, BMW and Antimicrobial Susceptibility	- 5 marks

PORTION OF PAPER I AND PAPER II - MICROBIOLOGY

Portion of Paper I

- I. General Microbiology, Immunology & Hospital Infection Control
- II. Skin Soft tissue and Musculo Skeletal System infections
- III. Miscellaneous Bacteria & Microbial Zoonotic diseases.

Portion of Paper II

- I. Blood Stream and Cardiovascular infections
- II. Respiratory Tract infections
- III. Gastro Intestinal & Hepatobiliary infections
- IV. Genito Urinary & Sexually transmitted infections
- V. CNS infections

Theory Question Pattern

Core Competency Essay - $2 \times 15 = 30$ marks

Short Notes $10 \times 5 = 50$ marks

MCQ's $20 \times 1 = 20$ marks