

PHASE I MBBS FROM 2024-25 BATCH ONWARDS
PRACTICAL SCHEME

ANATOMY PRACTICALS – 100 Marks

		Nos.	Marks	Total Marks
I	Gross Spotters	12	2	24
	Upper Limb (2) Lower Limb (2) Abdomen (2) Pelvis & Perineum (1) Thorax (1) Head & Neck (2) Brain & Spinal Cord (2)			
II	Histology Spotters	12	2	24
	General (4) Systemic (8) • Paper I (5) • Paper II (3)			
III	Discussion	4 Topics		24
	Gross – Paper I	1	6	
	Paper II	1	6	
	Histology – General	1	6	
	Systemic	1	6	
IV	OSPE	4 Stations	2	8

Station 1 : Surface marking (Paper I) including AETCOM	2		
Station 2 : Surface marking (Paper II) including AETCOM	2		
Station 3 : Genetics (AN73.1-AN75.5) – Charts (written)	2		
Station 4 : Demonstrate movements of Joints or Demonstrate action of muscles (AN13.7, AN43.5)	2		
TOTAL			80 Marks

VIVA – 20 Marks

Radiology	05 Marks
Osteology	05 Marks
Clinical Anatomy	05 Marks
Systemic Embryology	05 Marks
Total	20 Marks

PHYSIOLOGY PRACTICALS – 100 Marks

LAB 1:

- | | |
|--|----------|
| 1. Major Haematology Experiment:
(RBC, WBC, DC) | 10 Marks |
| 2. Minor Haematology Experiment:
(HB, BT, CT, BLOOD Grouping) | 05 Marks |
| 3. Clinical Chart Discussion: | 05 Marks |
| 4. OSCE:
(4 Working Stations (4×5))
(General Examination/CVS/RS/CNS/Abdomen /AETCOM) | 20 Marks |

LAB 2:

- | | |
|--|----------|
| 1. CNS Practical: | 10 Marks |
| 2. RS or CVS or Abdomen: | 10 Marks |
| 3. OSCE:
(4 Response Stations (4×5))
(Instruments, Calculations, Graph, Chart) | 20 Marks |

TOTAL = 80 Marks

Viva – 20 Marks

General Physiology, Haematology, Muscle and Nerve Physiology, Gastrointestinal Physiology	05 Marks
Renal Physiology, Endocrine Physiology and Reproductive Physiology	05 Marks
Cardiovascular and Respiratory Physiology, Integrated Physiology	05 Marks
Neurophysiology (CNS and Special Senses)	05 Marks
Total	20 Marks

BIOCHEMISTRY PRACTICALS – 100 Marks

I. Major experiment - 25 Marks

Mark Split up:

- 1. Provisional Diagnosis, Relevant Investigation with reference ranges - 05 Marks
- 2. Procedure - 05 Marks
- 3. Values - 05 Marks
- 4. Discussion - 10 Marks

II. Minor experiment - 25 Marks

Identification of 2 Abnormal constituents
-2x12.5 marks = 25 Marks

Minor Experiment	Split up	Total
Abnormal Constituent I	Identification - 2.5 Marks	12.5 Marks
	Procedure - 5 Marks	
	Discussion - 5 Marks	
Abnormal Constituent II	Identification - 2.5 Marks	12.5 Marks
	Procedure - 5 Marks	
	Discussion - 5 Marks	
Total		25 Marks

III. Charts / Suggest investigation - 15 Marks
(3 charts x 5 Marks)

IV. OSPE (3 Stations) - 15 Marks

(1 Performance stations – 1 x 5 Marks
2 Response Stations - 2 x 5 Marks)

Major experiment involving quantitative estimation of common blood analytes.

Minor experiment : Qualitative – Identification of two abnormal constituents of urine only. Identification of physiologically important compound should not be tested as part of minor qualitative experiment.

Charts / Suggest investigation

(laboratory values of biochemical parameters relevant to the case.
(eg. Diabetic history with GTT / Liver disorder with LFT etc.)

OSPE

- Performance station should not be a repeat of Major or Minor experiment.
- Response station
 - Station 1 – Nutrition / Equipment / AETCOM
 - Station 2 – Display of investigations/tests with a clinical scenario followed by few questions

VIVA – 20 Marks**Suggested Division of topics among 4 examiners**

Carbohydrates – Chemistry & metabolism, Cell, Biological Oxidation, Oxidative phosphorylation, TCA cycle, Extra Cellular Matrix	05 Marks
Proteins – Chemistry & Metabolism, Enzymes, Plasma Proteins, Organ function tests, Xenobiotics, Tumor markers, Oncogenes, Hormones, Hemostasis and Immunity	05 Marks
Lipids – Chemistry & Metabolism, Vitamins, Nutrition, Porphyrins, Hormones Hemoglobin structure and Metabolism	05 Marks
Nucleic acid Chemistry & Metabolism, Molecular Biology, Water, Electrolytes and Acid-Base Balance, Minerals	05 Marks
Total	20 Marks

