

Format (Practical Examination / OSPE)

MBBS First Professional Examination (Part-II)

BIOCHEMISTRY (PART-II)

Total Marks: 75

Total marks allocated to Oral and Practical Examination are 75

Internal Assessment: 7.5 Marks

General Viva (Theory Viva): 30 Marks

15 Marks are allocated to internal examiner and 15 marks to external examiner.

Practical Examination: 37.5 Marks

Practical examination comprises three components i.e. Yearly Workbook, OSPE and experiment.

A- Yearly Workbook : 3.5 Marks

B- OSPE : 18 marks

OSPE comprises 8 stations (two observed stations carrying 3 marks each and 6 non-observed stations 2 marks each).

Observed Stations (3 minutes for each station)

- i. Spectrophotometer, pH meter, flame photometer, chromatograph, and electrophoresis: 1 station
- ii. Blood collection materials/apparatus, centrifuge machine, pipettes: 1 station

Non-Observed Stations (3 minutes for each station)

- i. Tests to determine the concentration of total cholesterol, HDL cholesterol, and triacylglycerols, in plasma : 1 station
- ii. Tests to determine the concentration of total proteins, and glucose in plasma and CSF, and albumin in plasma: 1 station
- iii. Determination of plasma uric acid and calcium: 1 station
- iv. Determination of creatinine and urea in plasma, and creatinine clearance: 1 station
- v. Determination of activities of ALT and alkaline phosphatase in plasma. Estimation of plasma bilirubin: 1 station
- vi. Determination of activities of creatine kinase, LDH, and AST: 1 station

C- Experiment: 16 marks

- Principle/supposed calculations of the experiment: 4 Marks
- Performance of experiment and viva voce pertaining to experiment: 12 Marks
(6 marks reserved for internal examiner and 6 marks for external examiner)