

Maharaja Krishnakumarsinhji Bhavnagar University
Post Graduation University Practical Examination for M.D. - Biochemistry
Examination Centre : Government Medical College , Bhavnagar

Subject : Biochemistry

Subject Code : (Long Case - 26755) - (Short Case - 26756) - (Viva - 26757) - (Thesis - 26895)

Date : 24th and 25th July 2026

Total Marks - 400

(Day-1)

1.Long Case (140)

A. Perform Hemoglobin Electrophoresis . (80)

Write principle , procedure , significant and interpretation

B. Interpretation of the following patients report and give your remarks as advisory service. (40)

Patient ID : 20260024615

Patient ID : 20260025619

Patient ID : 20260251924

C. Perform analysis of urine for all abnormal components. (20)

Write parameter principle, observation and Interpretation.

2.Short Case (140)

A. Internal Audit of as Per ISO 15189:2022 (80)

- Review and Evaluation of Clinical Biochemistry Laboratory for Clause 6 and 7
- Draft 3 major risk management and it's monitoring element accordance to your non-confirmity finding.

B. Cost analysis of electrolyte estimation (20)

- Abbott Architect (CPT) vs Meril Fully Automated Analyzer (Purchase)

C. Draft 4 MCQ related in Clinical Biochemistry Subject for PG students. (40)

- MCQ should cover "Knows How" domain. No MCQ should be from "Knows" domain.
- Two MQC should have harder scale and two MCQ should have average scale.
- No MCQ should be at lower scale.

(Day-2)

D. Micro-teaching on Following Topic & Followed by Discussion (20)

- Quality policy vs Quality Objective
- Principle of Fourier-transform infrared spectroscopy

3.Dissertation Viva (20)

4.Theory Viva (100)

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