

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

Date : 18 & 19 /10/2025 (Day-1)

Total Marks - 600

- 1. Long Case - Perform SDS - PAGE - Vertical Electrophoresis of E.Coil sample. Write principle , procedure , significant and interpretation (150)**
 - 2. (A) Parameter Interpretation and co-relation discussion on below clinical case. (50)**
Patient Detail : MRD 14/00021066 Name: Ravi /Age 32 /Male
Extract All The Report of above mentioned patient. Do interpretation and co-relation of analytes.

(B) Perform analysis of urine for all normal and abnormal components. Write parameter principle , observation and Interpretation (100)
 - 3. Internal Audit of Clinical Biochemistry Laboratory as Per ISO 15189:2022 (75)**
 - Review and Evaluation of Quality Manual.
 - Verify Master List of Documents with Implementation.
 - Review and Evaluate Documentary Procedure for Control of Documents.
 - Check compliance of the laboratory for New Requirement as per ISO 15189:2022
 - Write your internal audit report related to the above activity.
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Date : 18 & 19 /10/2025 (Day-2)

- 4. Micro-teaching on Following Topic & Followed by Discussion (75)**
 - A. Order of Draw
 - B. Dokuwiki vs Google Drive
 - C. Reagent Management in Clinical Biochemistry Laboratory.
 - 5. IQC Analysis - RCA & Action (25)**

Perform the root cause analysis (RCA) of outliers / trend / shift analysis for given IQC L-J Chart. Give your over all view on it's L-J chart with required corrective and preventive action.
 - 6. Make OSCE / OSPE based Format in soft-copy for competency assessment of IQC practice. (25)**
 - 7. Draft 10 MCQ from subject of Clinical Biochemistry for PG students. (25)**
 - 8. Dissertation Viva (50)**
 - 9. Theory Viva (100)**
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