

Post graduation (M.D. - Biochemistry) Preliminary Theory Examination  
Government Medical College , Bhavnagar

Paper-4 ( Technique in experimental biochemistry, Recent advances)

Date : 14/04/2023

Marks : 100

**Q-1 Write detail notes on following. (20 Marks)**

- Write blood and urine investigation require for differential diagnosis of renal failure and for evaluate prognosis of patient. Write biochemical reason for each parameter alteration. Write any three different estimation method with it's principle of any these parameter.

**Q-2 Write detail notes on following. (20 Marks)**

- Automation in clinical biochemistry laboratory.

**Q-3 Write short notes on following. (20 Marks)**

1. Requirement as per ISO 15189:2012 for reporting and release of the patient's report.
2. Technical requirement for finding as well as updation of mean & SD in IQC implementation.

**Q-4 Write short notes on following. (40 Marks)**

1. Characteristic of good LIS
2. Harmonisation of instruments.
3. Calibrator traceability
4. Advantages and disadvantages of POCT
5. Draw diagram of a spectrophotometer.
6. Fructosamine
7. Principle and Factor affecting electrophoresis
8. Dry Chemistry Analyser.