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Total No. of Questions: 08

M.Sc.MLT(Biochemistry) (2015 to 2017) (Sem.-3) CLINICAL BIOCHEMISTRY

Subject Code: MMLT-302

M.Code: 70688

Time: 3 Hrs. Max. Marks: 100

## **INSTRUCTION TO CANDIDATES:**

- 1. Attempt any FIVE questions out of EIGHT questions.
- 2. Each question carries TWENTY marks.
- 1) Discuss various methods of estimation of cholesterol. Give some brief about its normal range and clinical importance.
- 2) Give a detailed account of ELISA. Discuss its various types and their use in a clinical laboratory.
- 3) Describe in detail methods of estimation and principle of assay of opiates.
- 4) a) What is the use of radioisotopes in a clinical lab? Discuss procedure for its safe disposal. Mention some common sources of error in RIA.
  - b) Write a short note on turbimetry.
- 5) What are enzymes? What is clinical value of estimation of serum amylase? Discuss various methods for its estimation.
- 6) Write notes on:
  - a) Growth hormones
  - b) Quality control
- 7) Discuss in detail mechanism of action of steroid hormones. Explain method of estimation, principle of assay and normal range of serum prolactin.
- 8) Describe in detail the method of estimation, clinical significance and normal range of vitamin D3.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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