

**Roll No.**

**Total No. of Pages : 01**

**Total No. of Questions : 08**

**M.Sc. MLS (Biochemistry) (Sem.-2)**

# CLINICAL BIOCHEMISTRY-I

**Subject Code : MMLT-202-18**

**M.Code : 76190**

**Date of Examination : 06-07-22**

**Time : 3 Hrs.**

**Max. Marks : 70**

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of EIGHT question.
2. Each question carries FOURTEEN marks.

1. Discuss the biochemistry of urine, blood and cerebrospinal fluid.
2. What are metabolic disorders? Explain Diabetes mellitus and ketoacidosis along with their consequences in detail.
3. Write a detailed note on lipid disorders.
4. What are the various disorders of nucleic acid metabolism (purine and pyrimidine metabolism).
5. Explain inborn errors of amino acid metabolism in detail.
6. Discuss the process of drug detoxification and host-drug interactions.
7. Write an exhaustive note on recombinant vaccines and recombinant enzymes.
8. Write short notes on :
  - a) Definition and scope of clinical biochemistry in diagnosis.
  - b) Monoclonal antibodies.

**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.**