

Roll No.

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Total No. of Questions : 08

M.Sc.(Pharmaceutical Chemistry) (Sem.-2)

BIOCHEMISTRY

Subject Code : MSPC-102

M.Code : 20505

Date of Examination : 16-12-22

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

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

1. Explain the biochemical phenomenon that links glycolysis to TCA cycle.
2. Discuss structure and functions of ETC.
3. Briefly explain the various steps for the biosynthesis of UMP.
4. a) Give classification of enzyme.
b) Write a short note on enzyme inhibition.
5. Define carbohydrates. Give classification giving suitable examples.
6. a) Discuss fluid mosaic model.
b) Explain the physical and chemical composition of cell wall.
7. Write a detailed note on fatty acid oxidation. Explain with the help of an example.
8. a) Write a detailed note on metabolic breakdown of nucleic acids.
b) Discuss the various types of nucleic acids.

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.