

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

M.Sc. MLS (Biochemistry) (2018 Batch) (Sem.-1)
STRUCTURE AND FUNCTIONS OF BIOMOLECULES

Subject Code : MMLT-101-18

M.Code : 75409

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

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

- 1) What are storage polysaccharides? Discuss occurrence, structure, properties and function of glycogen.
- 2) Write short notes on :
 - a) Triple helix of Collagen
 - b) Structure of haemoglobin
- 3) What are nucleic acids? Describe the secondary and tertiary structure of RNA.
- 4) Write a detailed note on chemistry and properties of sterols and steroids.
- 5) Discuss the source, structure, biochemical functions, daily requirements and deficiency disease associated with vitamin D and Vitamin K.
- 6) Classify proteins on the basis of solubility, shape and structure of proteins.
- 7) Discuss how so much DNA is accompanied in nucleus of the cell.
- 8) Write short notes on :
 - a) Lectins
 - b) Ramachandran plot

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.