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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 : 70

INSTRUCTIONS TO CANDIDATES :

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

- 1) Discuss the source, structure, biochemical functions, daily requirements and deficiency disease associated with vitamin D and vitamin E.
- 2) Write short note on :
 - a) Heteroglycans
 - b) Structure of myoglobin
- 3) Discuss how so much DNA is accommodated in the nucleus of cell.
- 4) Write a detailed note on structure and properties of phospholipids and sphingolipids.
- 5) What are storage polysaccharides? Discuss occurrence, structure, properties and function of starch.
- 6) Explain primary, secondary and tertiary structures of proteins.
- 7) What are nucleic acids? Describe various forms of DNA.
- 8) Write short notes on:
 - a) Lectins
 - b) Significance of cAMP

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.