

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech (Bio Tech) (2018 Batch) (Sem.-1)
BIOMOLECULES AND BIOTECHNOLOGY

Subject Code : MTBT-102-18

M.Code : 75763

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.

2. Each question carries TWELVE marks.

1. Discuss structure and functions of Proteins.
2. Explain the Bioenergetics and Thermodynamics of Phosphoryl group Transfer Reactions.
3. Elaborate on principle and mechanism of Tyrosine kinase based signaling.
4. Discuss Catalytic mechanism of Lysozyme and Serine Proteases.
5. Write about Enzyme Classification and Industrial application of Enzymes.
6. What are the salient features of Lipid Metabolism? Discuss.
7. Deliberate on different modes of Metabolic regulation.
8. Discuss significant Signalling mechanisms in Plants.

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.