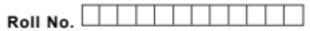


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M.Tech (Bio Tech) (2018 Batch) (Sem.-1) BIOMOLECULES AND BIOTECHNOLOGY Subject Code : MTBT-102-18 M.Code : 75763

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.

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