

Roll No.

DD-484

M. Sc. (Second Semester)
EXAMINATION, May-June, 2020

BIOTECHNOLOGY

Paper Eighth

(Macromolecules and Enzymology)

Time : Three Hours

Maximum Marks : 80

Note : Attempt all the *five* questions. All questions carry equal marks.

1. Write brief answers of the following :

- (a) Biological membrane
- (b) Polysaccharides
- (c) Lipoproteins
- (d) Ribozyme

Unit—I

2. Enzymatic and chemical method of sequencing of DNA.

Or

Write short notes on the following :

- (a) Chromatin
- (b) Ribosomes

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Unit—II

3. Explain protein folding.

Or

Describe protein-protein and protein-ligand interaction.

Unit—III

4. Describe immobilization of enzymes.

Or

Write short notes on the following :

- (a) Glycoproteins
- (b) Enzyme inhibition

Unit—IV

5. What is amplification ? Describe polymerase chain and its application.

Or

Write short notes on the following :

- (a) Northern blotting
- (b) Catalytic antibodies