



ED-328

M.Sc. 1st Semester
Examination, March-April 2021

MICROBIOLOGY

Paper - II

Biomolecules

Time : Three Hours] [*Maximum Marks* : 80

Note : Answer **all** questions. All questions carry equal marks.

1. Write short answers of the following :
 - (a) Structure of pyrimidine
 - (b) Genetic RNA
 - (c) Ribozyme
 - (d) Structure of chlorophyll
2. Write the structure of DNA.

OR

Give the structure and classification of carbohydrates.

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(Turn Over)

(2)

3. Give the structure and classification of Amino acids.

OR

Write a note on DNA sequencing.

4. What is Michaelis-Menten constant ? How it is derived in enzyme kinetics ?

OR

Write short notes on the following :

- (a) Enzyme action inhibition
(b) Coenzymes

5. Describe fat soluble vitamins in detail.

OR

Write chemistry and biological role of porphyrin.
