Roll No. .....

DD–779

M. Sc. (Fourth Semester)
EXAMINATION, 2020

ZOOLOGY

(Compulsory)

Paper First

(Biochemistry)

Time : Three Hours

Maximum Marks : 80

Note : Attempt all questions. Question No. **1** is compulsory. All questions carry equal marks. Illustrate your answer with well labelled diagrams. Write short and legible answers. Unwanted matter shall not be considered.

1. (i) Write the name of any *two* nucleic acids with its suitable chemical structure.

   (ii) Write the name and chemical structure of any *two* carbohydrates which is present in plants.

   (iii) Write the name of any *four* enzymes which are a part of digestive system.

   (iv) What is Purine and Pyrimidine ?

Unit—I

2. Write a short note on protein deficiency in human.

Or

Write a short note on fibrous and globular protein with suitable example.

Unit—II

3. Write a detailed account on disaccharides.

Or

Describe phospholipids and its role in plasma membrane.

Unit—III

4. Write a note about fat soluble vitamins.

Or

What is key and lock theory of enzyme ?

Unit—IV

5. What is the difference between nucleotide and nucleoside ?

Or

Write the biological importance of nucleic acid.