

# 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.