



FD-318

M.Sc. 1st Semester
Examination, Dec.-Jan., 2021-22

ZOOLOGY

Paper - I

Biosystematics, Taxonomy and Biodiversity

Time : Three Hours] [Maximum Marks : 80
[Minimum Pass Marks : 16

Note : Answer **all** questions in which Question No. 1 is compulsory. All questions carry equal marks.

1. Write notes on the following :

- (a) Chemotaxis
- (b) Species categories
- (c) Curation
- (d) Zones of Biosphere Reserves

(2)

Unit-I

2. Define the phylogenetic tree and describe it under following headings :
- (a) Parts of phylogenetic tree
 - (b) Rooted and unrooted tree
 - (c) Bifurcating and multifurcating tree

OR

Explain the Biological concept of taxonomy.

Unit-II

3. Describe the biological classification theories.

OR

Write the general characters of the species and explain Morphological, Biological and Genetic species concept.

Unit-III

4. Describe the Zoological Nomenclature.

OR

Explain the taxonomic collection.

(3)

Unit-IV

5. Describe the methods for studying terrestrial and aerial biodiversity.

OR

What is Wetland Biodiversity ? Explain its significance.
