M.Sc. I Semester Examination, April-2021
ZOOLOGY
Paper I
(Biosystematics and Taxonomy)

Time : 3 Hours]   [Maximum Marks : 80

Note : *All questions are compulsory. Question Paper comprises of 3 sections. **Section A** is objective type/Multiple Choice questions with no internal choice. **Section B** is short answer type with internal choice. **Section C** is long answer type with internal choice.*

SECTION 'A'
(Objective Type Questions)

Give the correct answer :   **1 × 8 = 8**

1. Write aim of biosystematics.

2. Who introduced term Binomial Nomenclature.

3. Define chemotaxonomy.

4. Write significance of differential systematics.

5. Define ceno species.

6. Write the name of two factors affecting speciation.

7. Define Dichotomous key.

8. Who proposed the term new systematics.

SECTION 'B'   **6 × 4 = 24**
(Short Answer Type Questions)

Note : *Answer the following questions in 250 words.*

1. What do you mean by Zoological Nomenclature ?

Or

Write the use of biochemical characters.

2. Write a note on preservation of Annelids.

Or

Give Hierarchy of the categories.

3. Discuss species concept.

Or

Explain Infra species categories.

4. Write about Biological classification.

Or

Explain Natural classification.

SECTION 'C'   12 × 4 = 48
(Long Answer Type Questions)

Note : *Answer the following questions in 500 words.*

1. Write about the contribution of systematics to Biological sciences.

Or

Explain theories of biological classification.

2. Give an account on new trends in biosystematics.

Or

Explain different taxonomic procedures for collection and pres-ervation of animals.

3. What is speciation ? Describe Allopatric and sympatric speciation with their differences.

Or

Explain different types of species with examples.

4. Define taxonomic key. Describe any three types of keys with their merits and demerits.

Or

Explain process of typification and purpose of classification.

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