

**P-208**

Total Pages : 3

Roll No. ....

**MSCZO-502**

**Taxonomy & Evolution**

M.Sc. Zoology (MSCZO)

1st Semester Examination, 2023 (June)

**Time : 2 Hours]**

**Max. Marks : 70**

**Note :** This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

**SECTION-A**

**(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. Give a brief history of taxonomy.

2. Write an essay on the importance of taxonomy.
3. Write in detail about the international code of the zoological nomenclature.
4. What is chemotaxonomy? Explain the significant of chemotaxonomy.
5. Definition and basic concepts of biosystematics, taxonomy and classification.

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Write a short note on taxonomy & Evolution.
2. Describe procedure of classification.
3. What do you understand by binomial system of nomenclature?
4. Write notes on significance of taxonomy.

5. Write an essay on Lamarckism.
  6. Write short notes on any *two* of the following
    - (a) Mutation.
    - (b) Hardy-Weinberg law of genetic equilibrium.
  7. Write short notes on Isolation.
  8. Write an essay on natural selection.
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