

A-236

Total Pages : 3

Roll No.

MSCZO-502

M.Sc. ZOOLOGY (MSCZO)

(Taxonomy and Evolution)

1st Semester Examination, 2024 (June)

Time : 2:00 Hrs.

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. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

(Long Answer Type Questions) 2×19=38

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.

1. Discuss briefly principle of International Code of Zoological Nomenclature (ICZN).
2. Give a detailed note on chemotaxonomy and molecular taxonomy.
3. Write an essay on significance of taxonomy.
4. Explain Hardy-Weinberg law of Genetic Equilibrium with its significance.
5. Describe the Genetic Drift and Migration.

Section–B

(Short Answer Type Questions) 4×8=32

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.

1. Write a short note on any *two* of the following :
 - (a) Chemotaxonomy
 - (b) Neo-taxonomy
 - (c) Variations
2. Discuss about the taxonomical collection and preservation.
3. Define species and speciation.

4. Give a brief account of Neo Darwinism.
5. Explain Micro, Macro and Mega evolution.
6. Write detailed note on Species concept.
7. Write an essay on taxonomy and its Significance.
8. Write a short note on any *two* of the following :
 - (a) Applications of Taxonomy in Zoology
 - (b) Natural Selection
 - (c) Mutation
