

A-0097

Total Pages : 3

Roll No.

MSCZO-502

M.Sc. ZOOLOGY (MSCZO)

(Taxonomy & Evolution)

1st Semester Examination, Session December 2024

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. Give a detailed note on chemotaxonomy and molecular taxonomy.
2. What do you understand by Isolation ? Discuss types and mechanism of Isolation.
3. Discuss Microevolution, Macroevolution, Mega evolution with mechanism and essential features.
4. Describe the Concept and theories of Evolution.
5. Write a detailed notes on species Concepts with suitable example.

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 an essay on Lamarckism.
2. Describe the Model Changes in Genetic Variation.
3. Write the short note on any *two* of the following :
 - (a) Chemotaxonomy
 - (b) Neo-taxonomy
 - (c) Molecular Taxonomy

4. Discuss Modern approaches in Taxonomy.
5. What do you understand by variation ? Discuss the type and sources of variations.
6. Write an essay on genetic drift.
7. Write an essay on Genetic Variability.
8. Write the short note on any *two* of the following :
 - (a) Mutation
 - (b) Natural Selection
 - (c) Hardy- Weinberg law of Genetic Equilibrium.
