

K-542

Total Pages : 3

Roll No.

MSCZO-502

Taxonomy & Evolution

M.Sc. Zoology (MSCZO)

1st Semester Examination, 2023 (Dec.)

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. 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)

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. What is the difference between classification, nomenclature, and identification in taxonomy?
2. Write an essay on Significance of Taxonomy.
3. Give a detailed note on Neo-taxonomy and Molecular Taxonomy.
4. Explain the Evolution of Man.
5. Write an essay on collection, preservation & identification.

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. What is the difference between Micro & Macro-evolution?
2. Give an account of theories of biological classification.
3. Describe the aims, objectives and significance of taxonomy.
4. Describe in detail the various types of classification.

5. Write note on following:
 - (a) Population genetics
 - (b) Genetic drift

 6. Write a short note on :
Chemotaxonomy and Cytotaxonomy.

 7. Define species and speciation.

 8. Write note on following :
 - (a) Early evolution of primates
 - (b) Phenotypic Variations
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