

S-179

Total Pages : 3

Roll No.

MSCZO-502

Taxonomy & Evolution

M.Sc. Zoology (MSCZO)

1st Semester Examination, 2022 (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.

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. Define Significance and applications of Taxonomy in Zoology.

2. What is the difference between classification, nomenclature, and identification in taxonomy?
3. Definition and basic concepts of biosystematics, taxonomy and classification.
4. Definition and basic concepts and importance of systematic.
5. Define a species. Discuss various concepts of species given from time to time.

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. Describe the use and purpose of classification.
2. Define the term classification.
3. Describe the aims, objectives and significance of taxonomy.
4. What are sibling species? Write notes on the importance of sibling species.

5. Write an essay on Natural selection.
 6. Write short notes on any *two* of the following :
 - (a) Mega evolution.
 - (b) Hardy-Weinberg law of genetic equilibrium.
 7. What are the factors affecting the Hardy-Weinberg equilibrium?
 8. What do you mean by evolution? Write about the micro and mega evolution.
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