

K-549

Total Pages : 3

Roll No.

MSCZO-601

VERTEBRATES

M.Sc. Zoology (MSCZO)

3rd 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. Give an outline classification of super class Pisces. Also explain the affinities of Pisces and Amphibian.
2. Write a detailed note on evolution and adaptive radiation of reptiles.
3. Discuss in detail the distribution and affinities of prototheria and metatheria.
4. Describe salient features of protochordates. Also discuss the affinity of Urochordate and Cephalochordate.
5. What are Agnatha? Discuss their origin and evolution.

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. Differentiate between Crocodile and Alligator.
2. Discuss modifications of birds' feet.
3. Define neoteny. How does it differentiate from paedogenesis?

4. Write a note on evolutionary significance of Axolotl larva.
 5. What are amphibians? Discuss their general characters.
 6. What are Dipnoi? Give their general characters and affinities.
 7. Write a note on affinities of birds.
 8. Discuss distribution and general characters of Prototheria and Metatheria.
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