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Total Pages : 3

Roll No.

MZO-501

Animal Diversity

M.Sc. Zoology (MSCZO)

1st Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) 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 Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

- 1.** Discuss the role of the methods used in biochemical and molecular taxonomy.

2. Give a detail account of excretory organs in Annelida.
3. Describe the epidermal derivatives of vertebrate integument.
4. Write an essay of origin and evolution of heart.
5. 'The nervous system has evolved from primitive form to an advanced form in animals'. Throw light on this statement with context to invertebrates.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. Elucidate the functional anatomy of cerebrum in mammals.
2. Write a short note on pacemaker.
3. Discuss the accessory respiratory organs of vertebrates.
4. Explain brain in different classes of vertebrata.
5. Describe the structure and function of eye in vertebrates.

6. Discuss statocoustic organs in vertebrates.
 7. Give a detail account of coelom in invertebrates.
 8. Explain stages in development of a bipinnaria larva.
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