

K-523

Total Pages : 3

Roll No.

MZO-501

Animal Diversity

M.Sc. Zoology (MSCZO-20)

1st Semester Examination, 2023 (Dec.)

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. 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 Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

1. Give a detail account on the accessory respiratory organs of vertebrates.
2. Give an account of the developmental stages of a vertebrates lings in embryo?
3. What do you understand by the Numerical taxonomy and Its Importance?
4. Explain in detail the origin of coelom and the related theory in detail.
5. Write a Short note on :
 - (a) Chemoreceptors.
 - (b) Mechanoreceptors.

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. Describe the Structure and function of eye?
2. What do you understand by photoreception?

3. What is an advantage of fish's gills for breathing?
 4. Write a short note on an evolution of heart.
 5. Write a phylogenetic importance of Echinoderm larva.
 6. Describe the excretory organs in annelida.
 7. How does the frog ventilate its lungs?
 8. Describe the structure and function of gills.
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