

A-0098

Total Pages : 3

Roll No.

MSCZO-503

M.Sc. ZOOLOGY (MSCZO)

(Animal Physiology & Endocrinology)

1st Semester Examination, Session December 2024

Time : 2:00 Hrs.

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 2×19=38

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.

1. Discuss the structure of Hemoglobin ? Explain oxygen transport by hemoglobin ?
2. Discuss the process of gaseous exchange in respiratory organs and tissues ?
3. Described the ECG in detail how this machine play important role in diagnosis of cardiac disorders ?
4. Describe the neurogenic and myogenic hearts with suitable examples.
5. Write an essay on role of digestive enzymes in food digestion.

Section–B

Short Answer Type Questions 4×8=32

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.

1. What is respiration ? Explain the external and internal respiration.
2. Who discovered ECG ? and What is the role ECG ?
3. Write the name of human anticoagulant.

4. Write the name of blood clotting factors.
5. Differentiate between neurogenic and myogenic hearts.
6. Briefly describe the importance of circulation in animals.
7. Explain the mechanism of Breathing.
8. Define digestion and their role in animals' life.
