

A-237

Total Pages : 3

Roll No.

MSCZO-503

M.Sc. ZOOLOGY (MSCZO)

(Animal Physiology and Endocrinology)

1st Semester Examination, 2024 (June)

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. Describe the various type of hearts seen in different groups of animals.
2. What are the hormones secreted by the cortex of adrenal gland ? Explain their functional significance.
3. What is the synapse ? Give an account on types of synaptic transmission.
4. Give an account of cardiac cycle. What do you understand by ECG.
5. Explain in detail the structure and molecular composition of skeletal muscle.

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 Thyroxine ?
2. Write short notes on the following :
 - (a) Myosin and action
 - (b) STH and TSH
3. Explain the thyroid hormone with example.
4. Write an account on evening and Night vision.

5. What is Absorption ? Explain the mechanisms involved in it.
6. What are fat soluble vitamins ?
7. What is significance of epididymis in male fertility ?
8. Write short notes on the following
 - (a) Myogenic and neurogenic hearts
 - (b) Cardiac output
