

**A-0076**

Total Pages : 3

Roll No. ....

**MSCZO-503**

**M.Sc. Zoology (MSCZO)**  
**(Animal Physiology & Endocrinology)**

Examination, June 2025

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 structure and function of human kidneys.
2. Describe the structure and mechanism of vision in human eye.
3. Describe the generation and conduction of nerve impulse in a typical neuron.
4. Describe the structure and role of Pituitary glands.
5. Briefly describe the events of menstrual cycle and their hormonal control.

### **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. Describe the ornithine cycle for urea formation.
2. What is unit of skeletal muscles ?
3. Discuss the exchange of gases at alveolar level.
4. Write a brief note on cardiac muscles.

5. Describe various types of neurons.
6. Write a short note on thyroid gland.
7. Write the short note on testosterone hormones.
8. Where are leydig cells located ? And how they secrete ?

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