

A-1065

Total Pages : 03

Roll No. -----

MSCZO-503

Animal Physiology & Endocrinology

M.Sc. Zoology (MSCZO)

Examination 2026(Feb.)

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)

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.

[2x19=38]

P.T.O.

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- Q.1. Discuss the process of exchange in respiratory organs and tissues.
- Q.2. Describe the ECG in detail, how this machine play important role in diagnosis of cardiac disorders?
- Q.3. Describe the mechanism of protein digestion in different parts of alimentary canal.
- Q.4. Describe the Comparative Account on smooth muscle, cardiac muscles and skeletal muscles.
- Q.5. Briefly describe the events of menstrual cycle and their hormonal control.

Section-B

(Short-Answer-Type Questions)

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.

[4x8=32]

- Q.1. What is respiration? Differentiate between external and Internal respiration?
- Q.2. Explain the transport of CO₂ by blood?

- Q.3. Differentiate between open and closed circulatory system in animal.
- Q.4. Explain the role of bile Juice in food digestion.
- Q.5. Briefly describe the cardiac cycle.
- Q.6. Explain the Mechanism of urine formation in human.
- Q.7. Describe the conduction of nerve Impulse in a typical neurons.
- Q.8. Write a short note on the chemical nature of hormones.
