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Total Pages : 3

Roll No.

MSCZO-503

Animal Physiology & Endocrinology

M.Sc. Zoology (MSCZO-21)

Ist Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Describe the various types of heart found in animals?
2. Describe the mechanism of protein digestion in different parts of alimentary canal?

3. Describe the generation and conduction of nerve impulse in a typical neuron?
4. Give an account of the origin, location and structure of parathyroid gland?
5. Describe the function of placenta.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Write a brief note osmoregulation in marine mammals.
2. Discuss the process of gaseous exchange in respiratory organs and tissues?
3. What do you understand by selective reabsorption? Mention its significance.
4. Write a brief note on cardiac muscles.
5. Write the Physiological Action of Insulin.

6. Describe causes of gigantism and acromegaly.
 7. Describe chemical nature of hormones.
 8. Describe the role of pupil and lens in eyes.
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