

S-180

Total Pages : 3

Roll No.

MSCZO-503

Animal Physiology & Endocrinology

M.Sc. Zoology (MSCZO)

1st Semester Examination, 2022 (Dec.)

Time : 2 Hours]

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.

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.

(2×19=38)

1. With the suitable diagram, explain the sliding filament theory of muscle contraction.

2. Describe the conduction of nerve impulse in a typical neuron.
3. Describe the role of various enzymes involve in the process of digestion.
4. What are the hormones of thyroid gland? What are their functions?
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. (4×8=32)

1. Differentiate between thin and thick filaments of muscle fibre.
2. Give an account of the hormones of adenohypophysis of pituitary.
3. Give an account of the hormones of neurohypophysis of pituitary. What is diabetes insipidus.
4. Give an account of the origin, location and structure of parathyroid gland.

5. Write a short note on cardiovascular system.
 6. What are functions of cortical medullary hormones?
 7. Write physiological action of insulin.
 8. What is the function of placenta ?
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