

C290

Total Pages : 3

Roll No.

MZO-506

Animal Physiology

M.Sc. Zoology (MSCZO-20)

2nd Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 40

Note : This paper is of Forty (40) 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 Ten (10) marks each. Learners are required to answer any Two (02) questions only.

(2×10=20)

1. Write the short note on any two :

(a) Diffusion.

(b) Water balance by ATPase.

- (c) Muscle.
 - (d) Bioluminescence.
2. Explain the movement of water and solutes across cell membrane.
 3. Describe the concept of poikilothermy and homeothermy.
 4. Describe the invertebrate gills with diagram.
 5. Explain the different type of hormones and their mechanism of action in human.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Five (05) marks each. Learners are required to answer any Four (04) questions only. (4×5=20)

1. Explain the somatotrophic hormone and Thyrotropin.
2. Explain the Antigen and Antibody.
3. What is osmoregulation?
4. What is cold death and cold resistance?

5. Explain the respiratory organ in human with diagram.
 6. Explain the oxygen Toxicity.
 7. Describe the ECG.
 8. Explain the Actin, Tropomyosin and Troponin.
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