

C291

Total Pages : 2

Roll No.

MZO-507

Physiological Chemistry

M.Sc. Zoology (MZO-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. Give the classification of carbohydrates and explain its general character.
2. What is Enzyme? Give an account of their nomenclature?

3. Describe the Primary, Secondary and Tertiary Structure of Protein.
4. Describe the Biosynthesis of Fatty acids.
5. Explain the Bioenergetics of High energy compounds.

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. Write a short note on co-enzymes and Proenzymes.
2. What is importance of electron transport chain (ETC).
3. Explain the structure and function of phospholipids.
4. Write a short note on the dipolar Ion.
5. Explain the synthesis of Glucose from non-carbohydrate sources.
6. Explain the Process of Glycolysis.
7. What do you understand by Enzymes inhibition?
8. Explain the degradation of purine nucleotide.