

K-528

Total Pages : 3

Roll No.

MZO-507

Physiological Chemistry

M.Sc. Zoology (MSCZO)

2nd Semester Examination, 2023 (Dec.)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) 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 Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

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[P.T.O.

1. What is Enzyme? Give an account of their nomenclature.
2. Describe in detail the process of Cholesterol Biosynthesis.
3. Describe the Primary, Secondary, Tertiary and Quaternary structure of Proteins.
4. Give the classification of carbohydrates and explain its general character.
5. Describe the sequence of reaction of glycolysis with a diagrammatic representation.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. Briefly describe the chemistry & structure of Disaccharides.
2. Explain the process of Glucogenesis.
3. Explain the structure and function of Phospholipids.
4. What do you understand by Enzymes inhibition?

5. Write a short note on co-enzymes and Proenzymes.
 6. Write a short note on Bioenergetics of High energy compounds.
 7. Write a short note on the metabolism of Carbohydrates.
 8. Write a short note on the Prostaglandins.
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