

**A-923**

**Total Pages : 3**

**Roll No. -----**

**MZO-507**

**Physiological Chemistry**

**M.Sc. Zoology (MSCZO)**

**2<sup>nd</sup> Semester Examination 2024 (June)**

**Time: 2:00 hrs**

**Max. Marks: 35**

**Note :** This paper is of Thirty Five (35) marks divided into Two (02) Section A and B. Attempt the questions contained in these sections according to the detailed given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

**P.T.O.**

**A-923/MZO-507**

**1**

### **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.

[2x9½=19]

- Q.1. Describe the factors that affect the enzymes.
- Q.2. Discuss the structure and function of some biochemically important disaccharides.
- Q.3. Describe the Primary, Secondary, Tertiary and Quaternary structure of Proteins.
- Q.4. Explain the structure and function of Phospholipids.
- Q.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 Four (04) marks each. Learners are required to answer any Four (04) questions only.

[4x4=16]

- Q.1. Briefly explains the biosynthesis of purine nucleotides.
- Q.2. Write a short note on lipid storage disease.
- Q.3. Write a short note on Electron transport chain.
- Q.4. Explain the process of Glucogenesis.

- Q.5. Briefly explains the citric acid cycle.
- Q.6. Briefly explains the biosynthesis of fatty acids.
- Q.7. What do you understand by Enzymes inhibition.
- Q.8. Briefly explains the Prostaglandins.

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