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**School of Biological and Life sciences**

Bachelor of Science Honours in Zoology

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 50

**Sem I - P1UA101T - Biochemistry**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Define carbohydrates and write the empirical formula of monosaccharides. K2 (2)
  - 2) What are standard amino acids? K1 (3)
  - 3) Outline classification of Lipids. K2 (4)
  - 4) Explain the biological functions of proteins. K2 (6)
  - 5) Analyze the roles of phospholipids for body. K3 (6)
  - 6) Discuss the concept of isoelectric pH and Zwitterion in the context of proteins. K3 (9)
  - 7) Analyze the roles of Essential fatty acids for body. K4 (8)
  - 8) Analyze different bonds involved in protein structure. K4 (12)
- OR**
- Analyze biological functions of proteins. K4 (12)