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**School of Medical and Allied Sciences**

Bachelor of Physiotherapy

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 50

**Sem III - L1UB307T - Bio Physics**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) How does the viscosity influence the flow and resistance to deformation of liquids and gases. K2 (2)
- 2) Define the role of fuses in protecting electrical devices? K1 (3)
- 3) Explain the characteristics of AC and DC? K2 (4)
- 4) Illustrate the transmission of magnetic effects by contact, and can you provide examples. K2 (6)
- 5) Identify the magnetic effects of an electric field, and how are they related to the principles of electromagnetism. K3 (6)
- 6) Identify the magnetic effects of an electric field, and how are they related to the principles of electromagnetism. K3 (9)
- 7) Simplify the process of electromagnetic induction. K4 (8)
- 8) Examine the behavior of transformers in electrical power transmission. K4 (12)

**OR**

- Examine the characteristics of superconductors and their applications. K4 (12)