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**School of University Polytechnic**

Diploma in Civil Engineering  
Mid Term Examination - Nov 2023

Duration : 90 Minutes  
Max Marks : 50

**Sem III - N1DB302T - Building Construction and Maintenance Engineering**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) Explain the need of foundation in a building. K2 (2)
- 2) Define the use of following: 1. DPC 2. beam K1 (3)
- 3) explain various components of buildings. K2 (4)
- 4) Express timbering of trench in different soil. K2 (6)
- 5) Show the difference between substructure and superstructure. K3 (6)
- 6) Define raft foundation in detail K3 (9)
- 7) Sketch deep foundation and show its function. K4 (8)
  
- 8) Pointout the orientation of building. K4 (12)

**OR**

Compare diferent types of window. K4 (12)