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**School of University Polytechnic**

Diploma in Electrical Engineering  
Semester End Examination - Nov 2023

Duration : 180 Minutes  
Max Marks : 100

**Sem V - N1DI505B - Installation Maintenance and Repair of Electrical Machines**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 Earthing systems. K1 (2)
- 2) Explain the preventive maintenance schedule for motor. K2 (4)
- 3) What is the introduction to the electrical maintenance department? K2 (6)
- 4) Illustrate the factors that influence the selection of cable insulation materials for underground cables. K3 (9)
- 5) Apply the effectiveness of the current record-keeping system in the department. K3 (9)
- 6) Compare different types of lifting and rigging equipment suitable for transportation tasks. K5 (10)
- 7) Simplify the concept of transporting heavy electrical machines. K4 (12)
- 8) Appraise a troubleshooting flowchart that integrates various electrical tools and instruments to diagnose and classify different types of faults in a system. K5 (15)
- 9) Appraise the potential risks associated with working in confined spaces while handling heavy equipment. K5 (15)
- 10) Discuss the classification of faults under electrical tools and instruments used for troubleshooting and repair. K6 (18)