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School of University Polytechnic

Diploma in Electrical Engineering
Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem IV - N1DI401T - Transmission and Distribution of Electricity*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 HVDC converter. K2 (2)
- 2) Define secondary transmission. K1 (3)
- 3) Explain different electrical equipment used in power plant. K2 (4)
- 4) Explain single line diagram with proper layout of power generation, transmission, and distribution. K2 (6)
- 5) Illustrate the short, medium, and long transmission line. K3 (6)
- 6) Illustrate line inductance, line capacitance, and short conductance. K3 (9)
Draw the parameters block diagram.
- 7) Analyze the formation of corona. K4 (8)
- 8) Analyze the factor and condition affecting corona. K4 (12)

OR

Analyze the types of damper used in transmission line. K4 (12)