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School of University Polytechnic

Diploma in Electrical Engineering
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem IV - N1DI401T - Transmission and Distribution of ElectricityGeneral 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 transformer. K1 (2)
- 2) Explain distributor and service mains. K2 (4)
- 3) Explain LV cable joint. K2 (6)
- 4) Illustrate how the distributor is fed at one end with respective diagram. K3 (9)
- 5) Illustrate the diagram of PLCC communication and explain each block. K3 (9)
- 6) Examine the difference between transmission system and distribution system. K5 (10)
- 7) Analyze the process of erection of poles. K4 (12)
- 8) Examine the electrical equipments used in transmission line with explanation. K5 (15)
- 9) Examine the effect of low power factor in transmission system. K5 (15)
- 10) Discuss the acceptance test and routine test of power cable. K6 (18)