ADMISSION NUMBER



School of University Polytechnic

Diploma in Electrical Engineering Semester End Examination - Jun 2024

Duration: 180 Minutes Max Marks: 100

Sem IV - N1DI405T - Switchgear and Protection

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 type of open circuit fault.	K1(2)
2)	Discuss equipments their functions of sub stations.	K2(4)
3)	Express three phase short circuit fault	K2(6)
4)	Illustrate short circuits and their effects.	K3(9)
5)	Write grounding of sub-station and its applications.	K3(9)
6)	Consider smoothing reactors.	K5(10)
7)	compare between tuning reactor and arc-suppression reactor.	K4(12)
8)	Consider grading and co-ordination L.V. fuses.	K5(15)
9)	Consider layout, single line diagram bus bar arrangement of sub	K5(15)
	stations	
10)	Explore operation principles of induction type over current relay	K6(18)