

[M19PS1103]

**I M. Tech I Semester (R19) Regular Examinations
 ELECTRIC POWER DISTRIBUTION SYSTEM
 Electrical & Electronics' Engineering Department
 MODEL QUESTION PAPER**

TIME: 3Hrs.

Max. Marks: 75 M

Answer **ONE Question** from **EACH UNIT**.

All questions carry equal marks.

			CO	KL	M
		UNIT-I			
1.		Explain abt the concept of Distribution management system (D.M.S) and it advantages	1	K2	15M
		OR			
2.		Explain different methods and constraints for reconfiguration of distribution networks	1	K2	15M
		UNIT-II			
3.	a)	Write briefly abt the interconnection of distribution system	1	K2	7M
	b)	Discuss abt the remote metering in detail.	1	K2	8M
		OR			
4.		Explain abt the automatic meter reading concept and describe its implementation in distribution system.	1	K2	15M
		UNIT-III			
5.		Explain detail architecture of SCADA using block diagram and its advantages in distribution automation.	3	K2	15M
		OR			
6.		Explain the functioning of SCADA in distribution automation in detail.	3	K2	15M
		UNIT-IV			
7.		Explain briefly abt the optimum number of switches, capacitors are placed in radial distribution network.	1	K2	15M
		OR			
8.	a)	Write briefly abt the Remote Terminal Unit (RTU)	2	K2	7M
	b)	Write short note on i) Energy efficiency in electrical distribution, ii) types of sectionalizing switches	2	K1	8M
		UNIT-V			
9.		Explain abt maintenance of automated distribution system in detail	2	K2	15M
		OR			
10.		Explain the AI techniques applied to distribution automation in detail	2	K2	15M