

ACADEMIC SESSION: 2022-23 (Summer-2023)

Discipline : ELECTRICAL ENGINEERING			Semester : 4TH	Name of the Teaching Faculty : PRADEEP KUMAR MOHANTY	
Subject : Generation Transmission & Distribution			Semester From date: 14/02/2023 to 23/05/2023		
SL NO.	DATE	CHAPTER	THEORY TOPIC NAME		NO.OF PERIODS
1	15.02.23	GENERATION OF ELECTRICITY CHAPTER 1	Elementary idea on generation of electricity from thermal,Hydel,nuclear,power station		1
2	16.02.23		Introduction to solar power plant.		1
3	20.02.23		Introduction to solar power plant.		1
4	22.02.23		Layout diagram of generating station		1
5	23.02.23		Layout diagram of generating station		1
6	25.02.23		Class test		1
7	27.02.23	TRANSMISSION OF ELECTRIC POWER CHAPTER 2	Layout of transmission & distribution scheme		1
8	01.03.23		Layout of transmission & distribution scheme		1
9	02.03.23		Voltage regulation and efficiency of transmission		1
10	04.03.23		Voltage regulation and efficiency of transmission		1
11	06.03.23		State and explain kelvin's law for economical size of the conductor		1
12	09.03.23		Class test		1
13	11.03.23		Types of support size and spacing of conductor		1
14	13.03.23		Types of conductor material		1
15	15.03.23		State types of insulator and cross arm		1
16	16.03.23		Sag in overhead line with support at same level and different level		1
17	18.03.23		Simple problem on sag		1
18	20.03.23		Simple problem on sag		1
19	22.03.23	OVERHEAD LINES CHAPTER 3	Types of supports,size and spacing of conductor		1
20	23.3.23		Uses of conductor material		1
21	25.03.23		Types of conductor material		1
22	27.03.23		State types of insulator and cross arm		1
23	29.03.23	PERFORMANCE SHORT AND MEDIUM LINE CHAPTER 4	Calculation of regulation		1
24	01.04.23		Calculation of efficiency		1
25	03.04.23	E.H.V TRANSMISSION CHAPTER 5	Advantages and Limitation of HVDC transmission		1
26	05.04.23		Connection of distribution system		1
27	06.04.23		Distributer fed at one end		1

28	08.04.23		EHV a.c transmission	1
29	10.04.23		Reason for adoption of EHV transmission	1
30	12.04.23		Problems involved in EHV transmission	1
31	13.04.23		HVDC transmission	1
32	15.04.23	DISTRIBUTION SYSTEM CHAPTER 6	Introduction to distribution system	1
33	17.04.23		Connection scheme of distribution system	1
34	19.04.23		D.C distribution	1
35	20.04.23		Distributer fed at one end	1
36	22.04.23		Ring distributer	1
37	24.04.23		A.c distribution system	1
38	26.04.23		Solving the problem	1
39	27.04.23	UNDER GROUND CABLE CHAPTER 7	Cable insulation and classification of cables	1
40	29.04.23		Methods of cable laying	1
41	01.05.23		Localization cable fruits	1
42	03.05.23		Revision of the chapter	1
43	04.05.23	ECONOMICS ASPECTS CHAPTER 8	Causes of low power factor	1
44	06.05.23		Load curves	1
45	08.05.23		Demand factor	1
46	10.05.23		Maximum demand	1
47	11.05.23		Diversity factor	1
48	13.05.23	TYPES OF TARIFF CHAPTER 9	Desirabale characteristic of tariff	1
49	15.05.23		Explain flat rate,block rate,	1
50	17.05.23		Two part and maximum demand tariff	1
51	18.05.23	SUBSTATION CHAPTER 10	Layout of LT,HT,and EHT substation	1
52	20.05.23		Problem regarding substation	1
53	22.05.23		Revision of the chapter	1
			TOTAL CLASSES	53

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11/02/23

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