Discipline: ELECTRICAL	Semester: 4 th Sem.	Name of the Teaching Faculty: MONALISA PANI
ENGINEERIN	4"Sem.	LECTURER IN ELECTRICAL
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Subject:GENE	No. of days/per	Compostor Francisco de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela com
RATION	week class	Semester From: 16/01/2024 TO:23 /04/2024 No. of weeks: 15 weeks
TRANSMISSI	allotted:4p/week	No. of weeks; 15 weeks
ON AND		
DISTRIBUTIO NI		
Week	Class Day	
1 st		Theory Topics GENERATION OF ELECTRICITY
	16/1/24	
	18/1/24	Elementary idea on generation of electricity from Thermal Power station Hydel Power station
	19/1/24	Nuclear Power station.
	20/1/24	
	20/1/24	Introduction to Solar Power Plant (Photovoltaic cells). Photovoltaic cell
	23/1/24	
2 nd	25/1/24	Layout diagram of generating stations. Layout diagram of generating stations.
·	20/1/24	TRANSMISSION OF ELECTRIC POWER
	27/1/24	Layout of transmission and distribution scheme.
	29/1/24	Voltage Regulation & efficiency of transmission.
3 rd	30/1/24	Kelvin's law for economical size of conductor.
	1/2/24	Kelvin's law for economical size of conductor.
1	2/2/24	Corona and corona loss on transmission lines.
	2/2/24	OVER HEAD LINES
	5/2/24	Types of supports, size and spacing of conductor.
4 th	6/2/24	Types of supports, size and spacing of conductor. Types of conductor materials.
7	8/2/24	types of conductor materials.
+	0/2/24	Sag in overhead line with support at same level and different level.
	9/2/24	3 ag in overhead line with support at same level and different level.
-	10/2/24	Class test
5 th	12/2/24	Simple problem on sag.
3	13/2/24	Numericals
.	15/2/24	Sag in overhead line with support at same level and different level.
	19/2/24	Sug in overhead line with support at sume level and different level.
	15/2/24	PERFORMANCE OF SHORT & MEDIUM LINES
6 th		PERFORMANCE OF SHORT & WILDIOW LINES
	20 /2/24	Calculation of regulation and efficiency.
	22/2/24	Calculation of regulation and efficiency.
ŀ	23/2/24	Calculation of regulation and efficiency.
7 th	23/2/24	Calculation of regulation and efficiency.
	27/2/24	Numericals
	,	EHV TRANSMISSION
	29/2/24	EHV AC transmission.
	2/3/24	Reasons for adoption of EHV AC transmission
	4/3/24	Problems involved in EHV transmission.
8 th	5/3/24	HV DC transmission
· ·	5/3/24	HV DC transmission
	6/3/24	Advantages and Limitations of HVDC transmission system.
	7/3/24	Advantages and Limitations of HVDC transmission system.
9 th	,,5,2-4	DISTRIBUTION SYSTEMS
	8/3/24	Introduction to Distribution System.
	0/3/24	indicadellott to Distribution System.
T		Connection Schemes of Distribution System: (Radial, Ring Main and Inter connected

	12 March 1981	
A	12/3/24	DC distributions. Distributor fed at one End.
10 th	13/3/24	Distributor fed at both the ends
	14/3/24	Ping distribute
	2./0/21	Ring distributors.
	15/2/24	AC distribution system.
	15/3/24	Method of solving AC distribution problem.
	15/3/24	Three phase four wire star connected system arrangement.
11 th	18/3/24	INTERNAL
	19/3/24	INTERNAL
	20/3/24	INTERNAL
	21/3/24	INTERNAL ·
		UNDERGROUND CABLES
	23 /3/24	Cable insulation and classification of cables.
12 th	27 /3/24	Types of L. T. & H.T. cables with constructional features.
	28/3/24	Methods of cable lying.
		Localization of cable faults: Murray and Varley loop test for short circuit fault / Earth
	2/4/24	fault.
	-7 .7 - 1	Localization of cable faults: Murray and Varley loop test for short circuit fault / Earth
	3/4/24	fault.
		ECONOMIC ASPECTS
		Causes of low power factor and methods of improvement of power factor in power
13 th	4/4/24	system.
		Factors affecting the economics of generation: (Define and explain) Load curves.
	6/4/24	Demand factor. Maximum demand.
		Load factor. Diversity factor, Plant capacity factor, Peak load and Base load on power
	8/4/24	station.
14 th		TYPES OF TARIFF
	9/4/24	Desirable characteristic of a tariff
	11/4/24	Explain flat rate tarrif block rate tarrif
	15/4/24	two part and maximum demand tariff.
		SUBSTATION
	16/4/24	Layout of LT, HT and EHT substation.
15 th	18/4/24	Earthing of Substation, transmission and distribution lines.
	19/4/24	Earthing of Substation, transmission and distribution lines.
	22/4/24	Earthing of Substation, transmission and distribution lines.
	23/4/24	Revision

Monalisa Pani 16/01/24 Signature of Teaching Faculty