

Detailed Teaching Plan

Lecture No.	Unit No.	Topic to be covered	Books & Page Nos.	Notes Page Nos.	Slide Nos.	A/V Resource
1	1	Types of heavy electrical equipment				
2	1	Unloading electrical equipment at site				
3	1	Inspection of electrical equipment at site.				
4	1	Installation procedures of small equipment.				
5	1	Installation procedures of large static equipment.				
6	1	Installation procedures of small rotating type machine				
7	1	Installation procedures large rotating type machine				
8	1	Installation of pole mounted transformer				
9	2	Commissioning procedure to be adopted for commissioning the static equipment				
10	2	Mechanical installation				
11	2	alignment. And its type				
12	2	Commissioning procedure to be adopted for commissioning the static equipment				
13		Commissioning before test				

Arif

Detailed Teaching Plan

Lecture No.	Unit No.	Topic to be covered	Books & Page Nos.	Notes Page Nos.	Slide Nos.	A/V Resource
14	2	adopted for commissioning before Electrical tests				
15	2	Safety precautions to be adopted before energization.				
16	2	Commissioning procedure to be adopted for commissioning the rotating machine				
17	2	Mechanical installation				
18	2	alignment. And its type				
19	2	Commissioning procedure to be adopted for commissioning the rotating machine				
20	2	adopted for commissioning before Electrical tests				
21	2	Safety precautions to be adopted before energization.				
22	2	Test report on commissioning				
23	2	Test certificate				
24	3	Necessity of earthing.				
25	3	Different methods of earthing				
26	3	Pipe earthing				
27	3	Plet earthing				

Arifullah

Detailed Teaching Plan

Lecture No.	Unit No.	Topic to be covered	Books & Page Nos.	Notes Page Nos.	Slide Nos.	A/V Resource
28	3	System earthing				
29	3	Equipment earthing				
30	3	Permissible earth resistance value for different electrical installations				
31	3	Factors affecting the earth resistance				
32	3	Methods for improvement of earth resistance				
33	3	Measurement of earth resistance				
34	3	Megger				
35	3	VI method				
36	3	Ohm meter method				
37	4	Reason of failure of electrical equipment and machines				
38	4	Methods for drying insulation				
39	4	Measurement of internal temperature of winding				
40	4	Need of vacuum impregnation				

Rubesh

Detailed Teaching Plan

Lecture No.	Unit No.	Topic to be covered	Books & Page Nos.	Notes Page Nos.	Slide Nos.	A/V Resource
41	4	Normal performance of equipment				
42	4	Causes of Electrical accidents				
43	4	Common faults in electrical equipment; DC Machines,				
44	4	Common faults in electrical equipment AC Machines				
45	4	Common faults in electrical equipment Transformers				
46	4	, Common faults in electrical equipment Power cables				
47	4	Common faults in electrical equipment electrical Installations				
48	4	Trouble shooting of internal and external faults; DC Machines				
49	4	Trouble shooting of internal and external faults; Transformers,				
50	4	Trouble shooting of internal and external faults; Power cables				
51	5	Instruments and accessories for trouble shooting				
52		Trouble shooting charts; electrical iron, ceiling fan,				
53		Trouble shooting charts wall fan, washing				
54		Trouble shooting charts machine, air cooler				

Jurkeed

Detailed Teaching Plan

Lecture No.	Unit No.	Topic to be covered	Books & Page Nos.	Notes Page Nos.	Slide Nos.	A/V Resource
41	4	Normal performance of equipment				
42	4	Causes of Electrical accidents				
43	4	Common faults in electrical equipment; DC Machines,				
44	4	Common faults in electrical equipment AC Machines				
45	4	Common faults in electrical equipment Transformers				
46	4	, Common faults in electrical equipment Power cables				
47	4	Common faults in electrical equipment electrical Installations				
48	4	Trouble shooting of internal and external faults; DC Machines				
49	4	Trouble shooting of internal and external faults; Transformers,				
50	4	Trouble shooting of internal and external faults; Power cables				
51	5	Instruments and accessories for trouble shooting				
52		Trouble shooting charts; electrical iron, ceiling fan,				
53		Trouble shooting charts wall fan, washing				


Signature

54

Trouble shooting charts machine, air cooler

Detailed Teaching Plan

55	Safety regulation and safety measures								
56	Treatment of shock								
57	Different types of Fire extinguishers								

Signature of Lecturer 

Signature of HOD