DHABALESWAR INSTITUTE OF POLYTECHNIC

DEPARTMENT OF MECHANICAL ENGINEERING

SUB – POWER STATION ENGG. LAB **SEM – 6TH**

SESSION – SUMMER 2022 **NO OF DAY/WEEK -4**

PRE- REQUISITE	Basic knowledge about power plant, boilers, and various parts and fuctions of a power plant.
COURSE OUTCOMES	CO1: Understand the modern steam power plant with a model. CO2: Understanding the various efficiencies of steam turbine. CO3: Understanding function of cooling tower, jet condenser. CO4: Understaing different types of boilers with model.

Week	Class Day	Theory / Practical Topics	DELIVERY METHOD
1ST	1ST	To study the modern steam power plant with model.	Lab Manual / LA
	2ND	To study the modern steam power plant with model.	Lab Manual / LAB
	3RD	To study the modern steam power plant with model.	Lab Manual / LAB
	4TH	To study the modern steam power plant with model.	Lab Manual / LAB
2ND	1ST	To study the modern steam power plant with model.	Lab Manual / LAB
	2ND	To study the modern steam power plant with model.	Lab Manual / LAB
	3RD	To study the modern steam power plant with model.	Lab Manual / LAB
	4TH	To study the modern steam power plant with model.	Lab Manual / LAB
3RD	1ST	To determine the various efficiencies of steam turbine.	Lab Manual / LAB
	2ND	To determine the various efficiencies of steam turbine.	Lab Manual / LAB
	3RD	To determine the various efficiencies of steam turbine.	Lab Manual / LAB
	4TH	To determine the various efficiencies of steam turbine	Lab Manual / LAB
4TH	1ST	To determine the various efficiencies of steam turbine.	Lab Manual / LAB
	2ND	To determine the various efficiencies of steam turbine.	Lab Manual / LAB
	3RD	To determine the various efficiencies of steam turbine.	Lab Manual / LAB
	4TH	To determine the various efficiencies of steam turbine.	Lab Manual / LAB
5TH	1ST	To study the cooling tower.	Lab Manual / LAB
	2ND	To study the cooling tower.	Lab Manual / LAB
	3RD	To study the cooling tower.	Lab Manual / LAB
	4TH	To study the cooling tower	Lab Manual / LAB
6TH	1ST	To study the cooling tower.	Lab Manual / LAB
	2ND	To study the cooling tower.	Lab Manual / LAB
	3RD	To study the cooling tower.	Lab Manual / LAB
	4TH	To study the cooling tower.	Lab Manual / LAB
7TH	1ST	Study of jet condenser.	Lab Manual / LAB
	2ND	Study of jet condenser.	Lab Manual / LAB
	3RD	Study of jet condenser.	Lab Manual / LAB
	4TH	Study of jet condenser.	Lab Manual / LAB
8TH	1ST	Study of jet condenser.	Lab Manual / LAB
	2ND	Study of jet condenser.	Lab Manual / LAB
	3RD	Study of jet condenser.	Lab Manual / LAB
	4TH	Study of jet condenser.	Lab Manual / LAB
9TH	1ST	Study of De-lavel turbine.	Lab Manual / LAB
	2ND	Study of De-lavel turbine.	Lab Manual / LAB
	3RD	Study of De-lavel turbine.	Lab Manual / LAB

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	4TH	Study of De-lavel turbine.	Lab Manual / LAB
	1ST	Study of De-lavel turbine.	Lab Manual / LAB
11TH	2ND	To study the spring loaded safety valve.	Lab Manual / LAB
	3RD	To study the spring loaded safety valve.	Lab Manual / LAB
	4TH	To study the spring loaded safety valve.	Lab Manual / LAB
12TH	1ST	To study the spring loaded safety valve.	Lab Manual / LAB
	2ND	To study the spring loaded safety valve.	Lab Manual / LAB
	3RD	To study the spring loaded safety valve.	Lab Manual / LAB
	4TH	To study the spring loaded safety valve.	Lab Manual / LAB
13TH	1ST	To study the Lancashire boiler using a model	Lab Manual / LAB
	2ND	To study the Lancashire boiler using a model.	Lab Manual / LAB
	3RD	To study the Cornish boiler using a model.	Lab Manual / LAB
	4TH	To study the Cornish boiler using a model.	Lab Manual / LAB
14TH	1ST	To study the Babcock & Wilcox Boiler using a model.	Lab Manual / LAB
	2ND	To study the Babcock & Wilcox Boiler using a model.	Lab Manual / LAB
	3RD	To study the Vertical water tube boiler using a model	Lab Manual / LAB
	4TH	To study the Vertical water tube boiler using a model.	
15TH	1ST	REVISION	
	2ND		
	3RD		
	4TH		