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 knowl	Basic knowledge about power plant, borlers, and various parts and fuctions of a power plant.			
COURSE OUTCOMES	CO2: Unders	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		
	†ST	To study the modern steam power plant with model.	Lab Manual / L,		
1ST	2ND	To study the modern steam power plant with model.	Lab Manual / LA		
	3RD	To study the modern steam power plant with model.	Lab Manual / LA		
	4TH	To study the modern steam power plant with model.	Lab Manual / LA		
	IST	To study the modern steam power plant with model.	Lab Manual / LA		
SHD	2ND	To study the modern steam power plant with model.	Lab Manual / LA		
	3RD	To study the modern steam power plant with model.	Lab Manual / LA		
	4TH	To study the modern steam power plant with model.	Lab Manual / LA		
· · · · · · · · · · · · · · · · · · ·	IST	To determine the various efficiencies of steam turbine.	Lab Manual / LA		
	2ND	To determine the various efficiencies of steam turbine.	Lab Manual / LAI		
3RD	3RD	To determine the various efficiencies of steam turbine.	Lab Manual / LAF		
	4TH	To determine the various efficiencies of steam turbine	Lab Manual / LAI		
4TH	IST	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		
	4711	To determine the various efficiencies of steam turbine.	Lab Manua! / LAB		
garage agen	IST	To study the cooling tower.	Lab Manual / LAB		
T	2ND	To study the cooling tower.	Lab Manual / LAB		
5TH	3RD	To study the cooling tower.	Lab Manual / LAB		
	4T11	To study the cooling tower	Lab Manual / LAB		
бтн	IST	To study the cooling tower.	Lab Manual / LAB		
	2ND	To study the cooling tower.	Lab Manual / LAB		
	3RD	To study the cooling tower.	Lab Manuai / LAB		
	4711	To study the cooling tower.	Lab Manual / LAB		
7TH	187	Study of jet condenser.	Lab Manual / LAB		
	2ND	Study of jet condenser.	Lab Manual / LAB		
	3RD	Study of jot condenser.	Lab Manuar / LAB		
	4711	Study of jot condenser.	Lab Manual / LAB		
	181	Study of jot condonser.	Lab Manual / LAB		
8TH	2ND	Study of jot condenser.	Lab Manual / LAB		
	3RD	Study of jet condenser.	Lab Manual / LAB		
	4TH	Study of jet condenser.	Lab Manual / LAB		
91H	1ST	Study of De-lavel turbine.	Lab Mangal (LAB)		
	2ND	Study of De-lavel turbine.	Lab Manual / LAH		
	3RD	Study of De-lavel turbine.	Lab Manual / LAR		

			Lab Manual / LAB
	4TH	Study of De-lavel turbine.	Lah Manual / LAB
	IST	Study of De-lavel turbing	Lah 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 Lab Manual / LAB
	IST	To study the spring loaded safety valve.	Lab Manual / LAB
12TH	2ND	To study the spring loaded safety valve.	Lab Manual / LAB
	3RD	To study the spring loaded safety valve.	Lab Manual / LAB
	4T11	To study the spring loaded safety valve.	Lah Manual / LAB
13TH	IST	To study the Lancashire boiler using a model.	1 ah 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. To study the Babcock & Wilcox Boiler using a model. To study the Babcock & Wilcox Boiler using a model.	Lab Manual / LAB
14111	IST	. Le Walcox Bullet and	Lab Manual / LAB
	2ND		Lab Manual / LAB
	3RD	To study the Vertical water tube boiler using a model. To study the Vertical water tube boiler using a model.	75 x 1 - 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	4TH	To study the vertical variables	
15TH	1ST	REVISION	
	2ND		
	3RD		
	4TH		\