

GOVT. POLYTECHNIC ,NAYAGARH**6TH SEMESTER MECHANICAL ENGINEERING (2022-23)****SUBJECTS – POWER STATION ENGG. LAB (PR-2)****TOTAL PERIODS- 60****NAME OF FACULTY- Mr. HIMANSHU PATRA, PTGF(Mech Engg.)****PRACTICAL- 4P/WEEK**

SL NO.	WEEK	DAY	TOPICS TO BE COVERED
1.	1 ST	1 ST	To study the modern steam power plant with model.
		2 ND	To study the modern steam power plant with model.
2.	2 ND	1 ST	To study the modern steam power plant with model.
		2 ND	To study the modern steam power plant with model.
3.	3 RD	1 ST	To determine the various efficiencies of steam turbine.
		2 ND	To determine the various efficiencies of steam turbine.
4.	4 TH	1 ST	To determine the various efficiencies of steam turbine.
		2 ND	To determine the various efficiencies of steam turbine.
5.	5 TH	1 ST	To study the cooling tower.
		2 ND	To study the cooling tower.
6.	6 TH	1 ST	To study the cooling tower.
		2 ND	To study the cooling tower.
7.	7 TH	1 ST	Study of jet condenser.
		2 ND	Study of jet condenser.
8.	8 TH	1 ST	Study of jet condenser.
		2 ND	Study of jet condenser.
9.	9 TH	1 ST	Study of De-lavel turbine.

		2 ND	Study of De-level turbine.
10.	10 TH	1 ST	Study of De-level turbine.
		2 ND	Study of De-level turbine.
11.	11 TH	1 ST	To study the spring loaded safety valve.
		2 ND	To study the spring loaded safety valve.
12.	12 TH	1 ST	To study the spring loaded safety valve.
		2 ND	To study the spring loaded safety valve.
13.	13 TH	1 ST	To study the following steam generators (boilers)models Lancashire boiler
		2 ND	To study the following steam generators (boilers)models Cornish boiler
14.	14 TH	1 ST	To study the following steam generators (boilers)models Babcock & Wilcox Boiler
		2 ND	To study the following steam generators (boilers)models Vertical water tube boiler
15.	15 TH	1 ST	Record submission and Review
		2 ND	Viva and voice Test

J Himanshi Patra
 13/02/2023
 P.T.O. (Mech)