

**GOVT. POLYTECHNIC ,NAYAGARH****6<sup>TH</sup> 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 <sup>ST</sup>	1 <sup>ST</sup>	To study the modern steam power plant with model.
		2 <sup>ND</sup>	To study the modern steam power plant with model.
2.	2 <sup>ND</sup>	1 <sup>ST</sup>	To study the modern steam power plant with model.
		2 <sup>ND</sup>	To study the modern steam power plant with model.
3.	3 <sup>RD</sup>	1 <sup>ST</sup>	To determine the various efficiencies of steam turbine.
		2 <sup>ND</sup>	To determine the various efficiencies of steam turbine.
4.	4 <sup>TH</sup>	1 <sup>ST</sup>	To determine the various efficiencies of steam turbine.
		2 <sup>ND</sup>	To determine the various efficiencies of steam turbine.
5.	5 <sup>TH</sup>	1 <sup>ST</sup>	To study the cooling tower.
		2 <sup>ND</sup>	To study the cooling tower.
6.	6 <sup>TH</sup>	1 <sup>ST</sup>	To study the cooling tower.
		2 <sup>ND</sup>	To study the cooling tower.
7.	7 <sup>TH</sup>	1 <sup>ST</sup>	Study of jet condenser.
		2 <sup>ND</sup>	Study of jet condenser.
8.	8 <sup>TH</sup>	1 <sup>ST</sup>	Study of jet condenser.
		2 <sup>ND</sup>	Study of jet condenser.
9.	9 <sup>TH</sup>	1 <sup>ST</sup>	Study of De-lavel turbine.

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

Shimanshi Patna  
13/02/2023

PT6F (Mech)