

**PNS SCHOOL OF ENGINEERING & TECHNOLOGY, MARSHAGHAI, KENDRAPARA**  
**LESSON PLAN**

Discipline : Mechanical	Semester:6TH	Name of the Teaching Faculty : Er. PRAFULLA KUMAR NAYAK
SUBJECT : PR-02, PSE LAB	No. of Days / per week class allotted : 4	Semester From date : 22.12.2025 to Date :18.04.2026 No. of Weeks : 12
Week	Class Day	Topics
1st	1st	To study the modern steam power plant with model.(GR-A)
	2nd	To study the modern steam power plant with model(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
2nd	1st	To determine the various efficiencies of steam turbine (GR-A)
	2nd	To determine the various efficiencies of steam turbine(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
3rd	1st	To study the cooling tower.(GR-A)
	2nd	To study the cooling tower. (GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
4th	1st	Study of jet condenser.(GR- A)
	2nd	Study of jet condenser(GR- B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
5th	1st	Study of De-lavel turbine.(GR-A)
	2nd	Study of De-lavel turbine.(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
6th	1st	To study the spring loaded safety valve.(GR-A)
	2nd	To study the spring loaded safety valve.(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
7th	1st	To study the following steam generators BOILER -Lancashire boiler.(GR-A)
	2nd	To study the following steam generators BOILER -Lancashire boiler.(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)

8th	1st	To study the following steam generators BOILER -Cornish boiler.(GR-A)
	2nd	To study the following steam generators BOILER -Cornish boiler.(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
9th	1st	To study the following steam generators BOILER -Babcock Boiler.(GR-A)
	2nd	To study the following steam generators BOILER -Babcock Boiler.(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
10th	1st	To study the following steam generators BOILER -Wilcox boiler.(GR-A)
	2nd	To study the following steam generators BOILER -Wilcox boiler.(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
11th	1st	To study the following steam generators BOILER -Lancashire boiler.(GR-A)
	2nd	To study the following steam generators BOILER -Lancashire boiler.(GR-A)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)
12th	1st	To study the following steam generators Boiler Vertical water tube boiler.(GR-A)
	2nd	To study the following steam generators Boiler Vertical water tube boiler.(GR-B)
	3rd	RECORD VERIFICATION(GROUP-A)
	4th	RECORD VERIFICATION(GROUP-B)

Signature of Demonstrator

Signature of H.O.D

Signature of Principal