

PNS SCHOOL OF ENGINEERING AND TECHNOLOGY

Branch: Electrical Engg.	Semester: 3 rd	Name of the Lecturer: Er. Jyotirmay Jena
Subject: EME	Classes Alloted in a Week: 6	Duration of Semester: 01.08.2023 - 30.11.2023
Week	Class Day	Theory / practical Topic
1st	1	State Unit of Heat and work
	2	1st law of thermodynamics
	3	State Laws of perfect gases
	4	Relation between sp. Heats
	5	numericals
	6	numericals
2nd	1	steam and its prop
	2	wet steam ,dry & superheated stem
	3	numericals
	4	numericals
	5	numericals
	6	types of Boilers
3rd	1	Cochran boiler
	2	Cochran boiler
	3	Babcock Wilcox boiler
	4	Babcock Wilcox boiler
	5	boiler mountings
	6	boiler mountings
4th	1	boiler mountings
	2	boiler accesories
	3	boiler accesories
	4	principle of Simple steam engine
	5	principle of Simple steam engine
	6	Indicator diagram
5th	1	Solve numerical problems
	2	Mean effective pressure
	3	IHP and BHP
	4	mechanical efficiency
	5	numericals
	6	numericals
6th	1	STEAM TURBINES
	2	types
	3	Impulse turbine
	4	reaction turbines
	5	reaction turbines
	6	Differentiate between impulse and reaction turbine
7th	1	function of condenser
	2	Types of condenser
	3	Types of condenser
	4	Types of condenser
	5	two stroke and 4 stroke engine
	6	petrol enine and diesel engine

8th	1	differentiate between 2 stroke and 4 stroke engine
	2	petrol engine and diesel engine
	3	properties of fluid
	4	properties of fluid
	5	Determine pressure at a point
	6	pressure measuring Instruments
9th	1	pressure measuring Instruments
	2	pressure measuring Instruments
	3	Explain energy of flowing liquid
	4	State and explain Bernoulli's theorem
	5	numericals
	6	numericals
10th	1	Intensifier
	2	Hydraulic lift
	3	Accumulator
	4	Hydraulic ram
	5	Review
	6	review

Signature of the
Lecturer

Signature of the
H.O.D