

**ORISSA SCHOOL OF ENGINEERING AND POLYTECHNIC,
BANTHAPALLI**

Discipline :Electrical Engg .	Semester:3rd	Name of the Teaching Faculty: ER Kuni Behera
Subject: EME	No. of Days / per week class allotted:	Semester From date:31/07/2023 to 30/11/2023. No. of Weeks:15
Week	Class Day	Topics
1 st AUG	1st	Thermodynamics Introduction
	2nd	Various terms of thermodynamics
	3rd	unit of heat and work and Zeroth law
	4th	First Law of Thermodynamics
2 nd AUG	1st	Laws Of Perfect Gas
	2nd	specific Heat
	3rd	relation between two specific heats
	4th	Formation of steam
3rd AUG	1st	Wet ,dry and super-heated steam
	2nd	using of steam table
	3rd	Numerical
	4th	numerical
4 th AUG	1st	steam generator
	2nd	Boilers and their types
	3rd	Cochran Boiler
	4th	Cochran Boiler
1st SEPT	1st	Babcock & Wilcox Boiler
	2nd	Babcock Wilcox Boiler
	3rd	Boiler Mountings
	4th	Boiler accessories
2nd SEPT	1st	Principle of steam engine
	2nd	single acting steam engine
	3rd	Double acting steam engine
	4th	Draw indicator diagram
3 RD SEPT	1st	calculation of mean effective pressure
	2nd	calculation of IHP & BHP
	3rd	calculation of mechanical efficiency
	4th	numerical
	1st	numerical
	2nd	numerical

4 TH SEPT	3rd	Types of steam turbines
	4th	impulse turbine
1 ST OCT	1st	reaction turbine
	2nd	difference between impulse and reaction turbine
	3rd	function of condenser
	4th	types of condensers
2 ND OCT	1st	types of condensers
	2nd	two stroke petrol engine
	3rd	two stroke diesel engine
	4th	four stroke petrol engines
3 RD OCT	1st	four stroke diesel engines
	2nd	difference between two and four stroke engines
	3rd	properties of fluid
	4th	determine pressure at a point
1 ST NOV	1st	Pressure Measuring Instrument -Manometer
	2nd	Piezometer and simple U tube manometer
	3rd	Differential U tube manometer
	4th	equation of continuity of flow
2 ND NOV	1st	different types of energy of flowing liquid
	2nd	derivation of Bernoulli's Theorem
	3rd	numerical on continuity equation
	4th	Hydraulic Intensifier
3 RD Nov	1st	Hydraulic lift
	2nd	Hydraulic Accumulator
	3rd	Hydraulic Ram
	4th	Revision
4 TH Nov	1st	Revision
	2nd	Revision
	3rd	previous year question discussion
	4th	previous year question discussion

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