

Discipline	Semester	Name of the teaching Faculty
Mechanical	6th	G. Madhavi
subject	No. of Days per weeks	Semester starts : 10/03/22 Semester ends : 30/06/22 No. of weeks : 15
Power Station Engineering	04	

Month	Week	Class Day	Theory Topic
March March	2nd	1st	Description the source of energy
		2nd	Central power station
		3rd	Captive power station
		4th	
	3rd	1st	classification of power plant
		2nd	Daily life role of electrical power
		3rd	Over-view method of electrical power-generation
		4th	Basic layout of steam power-station
	4th	1st	study of cannot vapour cycle with P-V & T-S diagram
		2nd	find out the Formula for Its efficiency
		3rd	Detail study rankine cycle
		4th	classify the P-V, T-S & H-S Diagram

Month	Week	Class Day	Theory Topic
		5th	Thermal efficiency
April	1st	1st	work Done, work ratio & specific steam consumption
		2nd	solve problem
		3rd	Thermal power station
		4th	Boiler accessories
	2nd	1st	Air preheater, Economizer, superheater
		2nd	study of Boiler mounting
		3rd	study of Draught
		4th	Natural Draught
	3rd	1st	Forced Draught
		2nd	Advantage of Draught system
		3rd	Dis Advantage of draught system
		4th	steam turbine
	4th	1st	Advantage & dis-advantage of steam turbine
		2nd	Governing of steam turbine
		3rd	Thermal efficiency

Month	week	class Day	Theory Topic
		4th	Gross efficiency stage-efficiency
	5th	1st	function of condenser classification of condenser
May	1st	1st	Hot well & condenser extraction pump
		2nd	study of air extraction pump, circulation.
		3rd	cooling tower function classification
		4th	Spray Pond
	2nd	1st	selection of thermal power station site
		2nd	classification of Nuclear Fuel
		3rd	Nuclear power plant with block Diagram
		4th	construction of Nuclear Reactor
	3rd	1st	comparison of Nuclear & thermal power station
		2nd	Nuclear waste
		3rd	Nuclear power plant in India
		4th	- & -
	4th	1st	Advantage & Dis ^{ad} advantage of Diesel - electric station
		2nd	fuel storage & fuel system
		3rd	Fuel injection, Air supply system

Month	week	class day	Theory Topic
		4th	site selection of diesel electric power station
	5th	1st	Thermal efficiency of Diesel power station
June	1st	1st	Advantage & disadvantage ^{ad} of Hydro-electric power station
		2nd	selection of hydro power plant site
		3rd	operation of hydroelectric power plant
		4th	list of hydro power plant
	2nd	1st	Turbine used in hydroelectric power plant
		2nd	Turbine used in Hydroelectric power plant
		3rd	problem in Hydro-electric power plant
		4th	site used in gas turbine station
	3rd	1st	Fuel used gas turbine
		2nd	elect element of gas turbine power plant
		3rd	-dr-
		4th	-dr-

