PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH

PROGRESS REGISTER

Discipline: Mechanical Engg. Semester: 6th (Sec-4)

Name of the Teaching Faculty: Yadabanand Sambit Barik

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Subject: PSE (SEC-A) No. Of Days/per week class allotted 04

Semester From Date : 15.04.21 To Date : 13.08.21 No. Of Weeks : 17

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
15.4.21	Sources of energy	Sources of energy	Sources if energy	
17.4.21	concept of central & captive P.S.	concept of central & captive P.S.	concept of central & captive P.S.	
19.4.21	classification of power plants.	classification of power plants	classification of power plants	
20.4.21	Electrical Power	Electrical Power	Electrical Power	
22.4.21	Method of Electrical power generation	Method of Electrical Power generation	Method of Electrical Power generation	
24.4.21	Steam Power Plant	Steam Power plant	Steam Power Plant	
26.4.21	Lay out	Lay out	Lay out of steam Power Plant	
27.4.21	Steam Power cycle	Steam Power cycle	Steam Power cycle	
29.4.21	Carnot Cycle	Carnot cycle	Carnot vaPour Power cycle. P.V, T.S. diagram	
1.5.21	Rankine cycle	Rankine cycle	Rankine cycle	
3.5.21	P.V T.S Hs Diagram	P.V.T.S.H.S Diagram	P.V. T.S H.S Diagram	
4.5.21	Efficiency	Efficiency	Efficiency, Workdone, work ratio, specific Steam consumption	

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
6.5.21	Simple Problems	Simple Problems	Simple Problems	Y/S Barik
8.5.21	List of Power Plant	List of Power Plant	List of thermal Power stations with their capacities	Y/S Barik
10.5.21	Boiler accessories	Boiler accesiories	Boiler accessories :- APH.	Y/S Barik
11.5.21	Economiser	Economiser	Economiser Parts of functions	Y/S Barik
13.5.21	ESP	ESP	ESP Electrostatic Precipitator	Y/S Barik
15.5.21	Superheater	Superheater	Superheater Need of boiler mounting	Y/S Barik
17.5.21	Draughts	Draughts	Draughts system & types	Y/S Barik
20.5.21	Steam Prime movers	Steam Prime movers	Steam prime movers :- Advantages & dis adv. of turbine	Y/S Barik
22.5.21	Elements	Elements	Elements of steam turbines, governing of steam turbine	Y/S Barik
24.5.21	Efficiency	Efficiency	Stage efficiency & gross efficiency	Y/S Barik
27.5.21	Steam condenser	Steam condenser	Steam condenser	Y/S Barik
29.5.21	Cooling tower	Cooling tower	Cooling tower	Y/S Barik

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Subject: PSE Sec. A No. Of Days/per week class allotted 04

Semester From Date : 15.04.21 To Date : 13.08.21 No. Of Weeks : 17

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
31.5.21	selection of site for thermal P.S.	selection of site for thermal P.S.	selection of site for thermal P.S.	
1.6.21	Nuclear power station	Nuclear power station	Nuclear Power station	
3.6.21	Classification of nuclear fuel	classification of nuclear fuel	classification of Nuclear fuel	
5.6.21	Fusion & Fission	Fusion & Fission	Fusion & fission reaction	
7.6.21	working of Nuclear P.S	working of Nuclear P.S	working of Nuclear P.S. with block diagram	
8.6.21	Nuclear reactor	Nuclear reactor	Nuclear reactor	
12.6.21	working & contruction of nuclear reactor	working & contruction of nuclear reactor	working & contruction of Nuclear reactor	
17.6.21	Nuclear & thermal Plants	Nuclear & thermal Plants	Compare Nuclear & thermal Plants	
19.6.21	Disposal of Nuclear waste	Disposal of Nuclear waste	Explain the disposal of nuclear waste.	
21.6.21	Selection of site	Selection of site	Selection of site for Nuclear P.S.	
22.6.21	List of Nuclear P.S.	List of Nuclear P.S	List of Nuclear Power station	
28.6.21	Diesel P.S.	Diesel P.S.	Diesel electric Power station	

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Subject: PSE No. Of Days/per week class allotted 04

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
29.6.21	Advantages & disadvantages	Advantages & disadvantages	Advantages & Disedvantages	Y/Bank
1.7.21	System of diesel P.S	System of diesel P.S.	Different system of diesel power station	Y/Bank
3.7.21	Fuel	Fuel	Fuel storage & Fuel supply, Fuel injection system	Y/Bank
5.7.21	Air system	Air system	Air supply system, Exhaust system	Y/Bank
6.7.21	Cooling system	Cooling system	Cooling, Lubrication system, starting & governing	Y/Bank
8.7.21	Site selection	Site selection	Selection of site for diesel electric power station	Y/Bank
10.7.21	Performance	Performance	Performance	Y/Bank
13.7.21	Thermal efficiency	Thermal efficiency	Thermal efficiency	Y/Bank
15.7.21	Applications	Applications	Applications	Y/Bank
17.7.21	Hydel Power station	Hydel Power station	Hydel Power station	Y/Bank
19.7.21	Advantages & disadvantages	Advantages & disadvantages	Advantages & disadvantages	Y/Bank
20.7.21	Classification of Hydel P.S	Classification of Hydel P.S	classification of Hydel Power station	Y/Bank

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22.7.21	Storage type hydroelectric p.s	Storage types hydroelectric P.s	Storage type hydroelectric P.s.	
24.7.21	Explain general arrangments.	Explain general arrangments operation	Explain general arrangments. operation	
2.8.21	Operations.	selection of site hydel P.s	selection of site hydel P.s.	
3.8.21	Selection of site of hydel p.s.	List of Hydro electric P.s. & capacities	List of Hydro electric P.s & capacities	
5.8.21	List of Hydro electric P.s. & capacities	Types of turbine simple problems	Types of turbine simple problems	
7.8.21	Types of turbines	Gas turbine Ps selection of site for gas turbine Ps	Gas turbine Ps selection of site for gas turbine Ps	
9.8.21	Simple problems.	Fuels for gas turbines	Fuels for gas turbines	
10.8.21	Gas turbine P.S	Elements of simple gas turbine P.S.	Elements of simple gas turbine P.S.	
12.8.21	selection of site for gas turbine P.S.	Merits, demerits & application	Merits, demerits & application	

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