



EPG GUESS QUESTIONS

4 MARKS

1. Describe the purpose of coal and ash handling unit. also write different activities that carried out in this unit.
2. Describe the purpose of the following components of a thermal power plants:-
a. Economiser b. Air-Preheater c. Superheater
3. Draw a block diagram of thermal power plants.
4. Running and maintenance costs of thermal power plants are more than hyrdo power plants justify the statements.
5. Explain Squirrel cage induction generator and also draw its diagram.
6. Draw a diagram of power tower of concentrated solar power plant.
7. Explain the purpose of shielding and reflector in a nuclear reactor.
8. Draw a schematic arrangement of hydro power plants and also describe the energy conversion process of hydro power plants.
9. Explain the layout of thermo-chemical power plants
10. Explain with layout diagram the construction and working solar photo voltaic power plants.
11. Define:-
 - a. Average Demand
 - b. Plant Capacity Factor
 - c. Load Factor
 - d. Diversity Factor
12. Draw a block diagram of gas turbine power plants

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6 MARKS QUESTIONS

1. Elaborate why gas/diesel power plant is preferred as a peak load plant.
2. Explain the function of different parts of a typical nuclear power plant with neat sketch.
3. With a neat diagram explain doubly fed induction generator.
4. Explain with a help of neat diagram of pelton turbine.
5. Describe the features of solid, liquid, and gas biomasses as fuel for biomass power plant.
6. Describe the layout and working of horizontal and vertical axis small wind turbines.
7. Classify the hydroelectric plants according to the head and load basis.
8. What are the criteria for selection of site of hydro electric power plant.
9. What is the difference between Brownout and Blackout.
10. Explain with layout of the working of parabolic trough collector concentrated solar power plants.

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