

PPE –Question bank

- [1] Draw the general layout of thermal power plant and explain the working of different circuits.
- [2] Explain the principle involved in preparation of coal and what are the methods of preparation?
- [3] How ash is handled in the power plant? Explain the ash handling system.
- [4] Explain the various draught systems with a neat sketch.
- [5] What are the different types of cooling towers? Explain with a neat sketch.
- [6] Explain the construction and working of any one High pressure boiler with a layout.
- [7] Explain the reheat system and regeneration system of a thermal power plant.
- [8] Explain the water tube boiler and fire tube boiler with neat sketch.
- [8] What are the applications of diesel engine power plant?
- [9] Draw the layout of Diesel power plant
- [10] What is the purpose of air intake system in a diesel engine power plant?
- [11] What are the various types of cooling system used in diesel power plant?
- [12] What is the commonly used fuel injection system in a diesel power station?
- [13] What are the Components of Diesel Power plants?
- [14] What are the different types of Engines used in diesel power plants?
- [15] Mention any two drawbacks of a stationary gas turbine power plant for generation of electricity.
- [16] 19 .What are the Components of Gas Turbine Power plants?
- [17] 20. Draw and explain the layout of a Combined Cycle Power Plant.
- [18] 21. What are the three moderators used in nuclear power plants
- [19] 22. Explain the function of nuclear reactor.
- [20] 23. What is nuclear fusion?
- [21] 24. What is nuclear fission?
- [22] 25. State the fuels used in nuclear power plants.
- [23] 26. What are the conditions satisfied to sustain nuclear fission process?
- [24] 27. List down the basic factors those are to be considered for the design of a nuclear power reactor.
- [25] 28. State the advantages of fast breeder reactors