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CondenserB. BoilerC. TurbineD. Coal carrying systemAnswer: B2. The pH value of the water used in boiler is:A. UnityB. 7C. Slightly less than sevenD. Slightly more than sevenAnswer: D3. For the flue gas flow, tick the correct sequence:A. Boiler-Air preheater- economizer- ID fan- ChimneyB. Boiler- ID fan -Air preheater- Economizer- ChimneyC. Boiler- Economizer- Air preheater- ID fan- ChimneyD. None of the aboveAnswer: C4. Hydrogen cooling employed in large thermal power plant alternator:A. Increases the insulation lifeB. Decreases the insulation lifeC. Does not affect the insulation lifeD. None of the aboveAnswer: A5. Hydrogen cooling is employed in:A. Turbo Generators onlyB. Water wheel Generators onlyC. Can b used in both turbo generators and water wheel generatorsD. None of the aboveAnswer: A6. The efficiency of the electro static precipitators will be of the order:A. 99.6%B. 90%C. 85%D. 80%Answer: A7. Economizer is normally employed when boiler pressure exceeds:A. 70 kg/cm2B. 50 kg/cm2C. 30 kg/cm2D. Can be used for all pressuresAnswer: A8. The sizing of the generator in power plant is based on:A. Current carrying capacity ratings onlyB. Insulation strength ratings onlyC. Both (A. and (b)D. None of the aboveAnswer: C9. Without Electro static precipitators:A. ID fan rating should be increasedB. Economizer rating should be increasedC. Chimney height should be reducedD. None of the aboveAnswer: A10. In thermal power plants the condenser used is of:A. Surface typeB. Jet typeC. Can be both surface type and jet typeD. None of the aboveAnswer: ATHERMAL POWER PLANT MCQs11. Coal rank classifies coal as per its:A. Specific gravityB. Degree of metamorphismC. Carbon percentageD. Ash contentAnswer: D12. Induced draft fans are used to:A. Cool the steam let out by the turbine in the thermal power stationB. Cool the hot gases coming out of boilerC. Forces the air inside the coal furnaceD. Pull the gases out of furnaceAnswer: D13. Generally the speed of turbine generators employed in thermal power plants will be in the range of:A. 750 rpmB. 1000 rpmC. 3000 rpmD. 5000 rpmAnswer: C14. Large size thermal power plants will be:A. peak load plantsB. Base load plantsC. Can be operate either as peak load or base load plantsD. None of the aboveAnswer: B15. The auxiliary consumption of thermal power plants will be in the range:A. 2-5% of plant power generatedB. 8-10% of power generatedC. 15-20% of power generatedD. 20-25% of power generatedAnswer: B16. Which of the following equipment is installed in steam power plant to reduce air pollution:A. Air filterB. HEPA filterC. Electro static precipitatorD. All the above can be usedAnswer: C17. Burning of low grade coal can be improved by:A. Pulverizing the coalB. Blending with high quality coalC. Oil assisted ignitionD. All the aboveAnswer: B18. Equipment used for pulverizing the coal is:A. hopperB. StokerC. Ball millD. Electro static precipitatorAnswer: C19. The percentage of carbon in anthracite is usually:A. More than 90%B. About 70%C. About 50%D. Below 40%Answer: A20. for the same power the size of the turbine:A. Increases with speedB. Decreases with speedC. Constant irrespective of speedD. None of the aboveAnswer: BTHERMAL POWER PLANT Objective type Questions with Answers21. Which type of coal has lowest calorific value?A. PeatB. LigniteC. BituminousD. AnthraciteAns:b22. Pipes carrying steam in thermal power plant are generally made of:A. SteelB. Cast ironC. aluminiumD. CobaltAnswer: A23. Economizer of boiler has main function of:A. Heat up the incoming water with excess steamB. Heat up the pulverized fuel by exhaust gasesC. Heat up the incoming air by exhaust gasesD. Heat up the incoming water by exhaust gasesAnswer: D24. In a super heater:A. Pressure rises and temperature dropsB. Temperature rises and pressure dropsC. Temperature rises and pressure remains unchangedD. Pressure rises and temperature remains the sameAnswer: C25. Steam turbine works on the principle of:A. carnot cycleB. brayton cycleC. rankine cycleD. None of the aboveAnswer: C26. The steam power plant efficiency can be improved by:A. Using large quantity of waterB. Burning large quantity of coalC. Using high temperature and pressure of steamD. Decreasing the load on the plantAnswer: C27. As the size of the thermal power plant increases, the capital cost per kW of installed capacity:A. IncreasesB. DecreasesC. Remains the sameD. May increase and decreaseAnswer: B28. Vacuum can be measured by using:A. rotameterB. pitot tubeC. U tube manometerD. ventrimeterAnswer: B29. Electrostatic precipitator is installed between:A. Induced fan and chimneyB. air preheater and induced fanC. Economizer and air preheaterD. Boiler furnace and economiserAnswer: B30. Bell conveyors can be employed for transporting coal at inclination up to:A. 75 degB. 60 degC. 30 degD. 15 degAnswer: C31. In a shell and tube surface condenser:A. Steam passes through the tubes and cooling water surrounds themB. Cooling water passes through the tubes and steam surrounds themC. Steam and water mix to give condensateD. None of the aboveAnswer: B32. The purpose of Spray pond in Thermal power plant is:A. To deposit the ash coming out of the thermal power plantB. To cool the water coming out of condensateC. To remove the dissolved gases in the feed waterD. None of the aboveAnswer: B33. For the forced draft the blower is located:A. At the top of the chimneyB. Near the base of the chimneyC. Near the base of the boilerD. None of the aboveAnswer: C34. It is important the heat the water before feeding to boiler because:A. The dissolved gases which corrodes the boiler are removedB. Thermal stresses arises due to the cold water entering the boiler can be reducedC. Some impurities carried by steam and condensate due to corrosion in boiler and condenser are precipitated outside the boilerD. All the aboveAnswer: D35. Which type of alternator is employed in thermal power plant?A. Salient typeB. Non salient pole typeC. Both can be usedD. None of the aboveAnswer: B36. The indication to determine the incomplete combustion is:A. High percentage of carbon dioxide content in the flue gasesB. High percentage of CO content in the flue gasesC. High temperature of the flue gasesD. All the aboveAnswer: B37. For the same draught required, the power of forced draught fan will be than the induced draught fan:A. HigherB. LowerC. The sameD. May be more or lessAnswer: B38. What are the combustible elements in the fuel:A. Carbon and hydrogenB. Carbon, hydrogen and ashC. Carbon, hydrogen and sulphurD. None of the aboveAnswer: C39. The efficiency of the thermal power plant is of the order:A. 15%B. 30%C. 50%D. 60%Answer: B40. The coal which has highest ash content is:A. LigniteB. CokeC. Bituminous coalD. PeatAnswer: ATHERMAL POWER PLANT Questions and Answers pdf Download Home Terms & Conditions Contact

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