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Economics of Power Generation MCQ Test

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Below is the **Economics of Power Generation MCQ** test that checks your basic knowledge of Economics of Power Generation. This **Economics of Power Generation MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also take the Online Quiz from the Take **Economics of Power Generation Quiz** Button.

Q1. A nuclear power plant is invariably used as a ____.

- A. Peak load plant
- **B. Base load plant**
- C. Standby plant
- D. Spinning reserve plant

Q2. A Load curve is a plot of:

- **A. Load versus time**
- B. Load versus current
- C. Load versus power
- D. None of these

Q3. _____ is invariably used for peak load.

- A. Nuclear power plant
- B. Steam turbine plant
- **C. Pumped storage plant**
- D. None of the above

Q4. Which of the following is not a source of power ?

- A. Photovoltaic cell

- B. Solar cell
- C. Photoelectric cell
- **D. Thermocouple**

Q5. Depreciation charges are high in case of ____.

- A. diesel plant
- **B. thermal plant**
- C. hydroelectric plant
- D. None of the above

Q6. Direct conversion of heat into electric power is possible through ____.

- A. fuel cell
- B. batteries
- **C. thermionic converter**
- D. All of the above

Q7. In _____ fuel transportation cost is least.

- **A. nuclear power plants**
- B. diesel generating plants
- C. steam power stations
- D. None of the above

Q8. Large capacity generators are invariably ____.

- A. water cooled
- **B. hydrogen cooled**
- C. forced air cooled
- D. natural air cooled

Q9. Which of the following power plants need the least period for installation ?

- A. Thermal power plant
- **B. Diesel power plant**
- C. Nuclear power plant
- D. Hydro-electric power plant

Q10. The effect of electric shock on human body depends on which of the following:

- A. current
- B. voltage
- C. duration of contact
- **D. All of the above**

Q11. Diesel power plant need the least period for installation.

- **A. True**
- B. False

Q12. Diversity factor has direct effect on the:

- **A. fixed cost of unit generated**
- B. running cost of unit generated
- C. both (A) and (B)
- D. neither (A) nor (B)

Q13. Approximate estimation of power demand can be made by ___.

- A. Load survey method
- B. Statistical methods
- C. Mathematical method
- **D. All of the above**

Q14. Annual operating expenditure of a power plant consists of:

- A. Fixed charges
- B. Semi-fixed charges
- C. Running charges
- **D. All of the above**

Q15. ___ industry has the least power consumption per ton of product.

- A. Caustic soda
- B. Soap

- **C. Vegetable oil**
- D. Sugar

Q16. Annual instalment towards depreciation reduces as rate of interest increases with:

- A. reducing balances depreciation
- **B. sinking fund depreciation**
- C. straight line depreciation
- D. All of the above

Q17. Which of the following is an advantage of static capacitor for power factor improvement ?

- A. Easy installation
- B. Little maintenance cost
- C. Low losses
- **D. All of the above**

Q18. Which of the following component, in a steam power plant, needs maximum maintenance attention?

- **A. Boiler**
- B. Steam turbine
- C. Condenser
- D. Water treatment plant

Q19. A consumer has to pay lesser fixed charges in ____.

- A. Flat rate tariff
- **B. Maximum demand tariff**
- C. Two part tariff
- D. Any of the above

Q20. Submarines for under water movement, are powered by which of the following ?

- **A. Batteries**
- **B. Steam accumulators**
- **C. Diesel engines**
- **D. Air motors**

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