

III STATE WHETHER TRUE OR FALSE

12. Burning coal fuels produces the least amount of carbon dioxide per unit of energy
13. Energy can neither be created nor be destroyed.
14. Electricity consumption of our house is reported in Mwh
15. In a battery the thermal energy is converted into electricity
16. Population is one of the factors for energy demand.

IV ANSWER IN A SENTENCE OR TWO

17. Example of sound energy.
18. Non renewable Energy
19. Device converting mechanical energy to electrical energy
20. Unit of Electric Current.

SECTION B**ANSWER ANY SIX QUESTIONS:****(6×3=18)**

21. Differentiate between Renewable and Non-Renewable energy sources.
22. Write a short note on light Energy.
23. How is the cumulative energy demand for a country calculated?
24. What is energy consumption per capita? Give the energy consumption per capita for India (approximately)?
25. Give a brief discussion on the age of renewables and alternatives.
26. Discuss about how overpopulation is causing an energy crisis?
27. Name some unexplored renewable energy options and tell about how energy can be generated from that.
28. Write a short note on Energy conservation practices in home
29. If a bulb of 30W and a fan of 60W is switched on for 7 hours per day. How much electrical energy is consumed in a month
30. Write a brief note on the basic first aid and safety at work place.

SECTION C**ANSWER ANY TWO QUESTIONS:****(2×6=12)**

31. Explain in detail about the various forms of energy with examples for each form and tell about how energy is harvested from it.
32. Discuss in detail about the 2 power plants
33. Write a detailed note on various energy storage systems.
34. “Energy Development for the future is in the hands of Renewable energy” - Do you agree on this? Justify your answer.
