

Energy Auditing & management-Question bank

- Q.1 Explain various forms of energy and Law of conservation of energy.
- Q.2 Write a note on BEE and its working.
- Q.3 Explain the elements of energy management in detail.
- Q.4 Write a short note on Demand side Management.
- Q.5 Explain the various principle of Energy Management.
- Q.6 Explain the characteristics of solid, liquid and gaseous fuels –energy point of view.
- Q.7 which fuel option is better for the storage and transportation? Describe each reason.
- Q.8 What are the safety measures for the liquification and gasification to be taken?
- Q.9 Compare short and long AC Transmission lines. What is the benefit of HVDC line.
- Q.10 Classify Energy Storage Systems. Explain any one in detail.
- Q.11 Write a note on pumped hydro storage system.
- Q.12 Write a note on compressed gas energy storage system.
- Q.13 Explain the flywheel energy storage system with diagram and equation.
- Q.14 Classify various electrical and magnetic energy storage systems.
- Q.15 What is ROI, IRR? Explain in detail.
- Q.16 What are the benefits of energy management?
- Q.17 What are the reasons for Harmonics in supply system? Explain its remedies.
- Q.18 Explain Voltage Sag and its effects.
- Q.19 Explain various types and walkthrough energy audit.
- Q.20 Write a note on: Power Factor Reliability analysis of power system.
- Q.21 What are the needs of energy planning and audit?
- Q.22 Explain Sankey Diagram.
- Q.23 Explain the role of energy manager.
- Q.24 Explain the role of energy auditor and the things to be considered while auditing.
- Q.25 Write a short note on i) benchmarking & ii) force field analysis.
- Q.26 List the various equipments required for energy audit.
- Q.27 Explain energy audit methods for the Induction motor.
- Q.28 Describe the procedure for energy audit, step by step.