

- ✓ Explain the need of Energy audit and management?
- ✓ Explain type of energy audit?
- ✓ Explain the energy management strategies?
- ✓ Explain case study for lightning?
- ✓ Explain the instruments used for audit and monitoring of energy saving?
- ✓ Explain payback period , ROV, and NPV
- ✓ How losses are reduced in transformer? State advantages of parallel operation?
- ✓ Explain demand side management?
- ✓ Explain type characteristics and application of Fans?
- ✓ Explain energy efficient motors?
- ✓ Explain soft starter & VSD in detail?
- ✓ Explain Automatic power factor controller?
- ✓ State function and type of steam trap? Also write energy saving opportunities?

- ✓ Explain Sludge and scale formation in detail with disadvantages?
- ✓ Explain feed water treatment? Also explain its chemical treatment in detail?
- ✓ List factor affecting furnace performance? Explain direct method of performance of furnace?
- ✓ Explain waste heat recovery system? Explain its advantages and disadvantages?
- ✓ Explain determination of economic thickness of insulation
- ✓ Give tips for energy saving in pumps system and cooling tower?
- ✓ Explain need, principle of cogeneration? Explain bottoming cycle?
- ✓ List the method to improve performance of compressed air system?
- ✓ Explain performance of cooling tower in detail?
- ✓ Explain Case study on “outcome of Auditing a steam system”

