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Register Number:

7246

Name of the Candidate:

DIPLOMA EXAMINATION, 2010

(ENERGY ENGINEERING)

(PAPER-III)

130. ENERGY AUDIT AND CONSERVATION

Dec]

[Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions

(5×20=100)

1. a) Discuss on the availability of conventional energy sources in India.
b) Explain the principle and imperatives of energy conservation.
2. a) What is energy audit? Explain the types of energy audit.
b) What is thermal energy audit? Explain with example.
3. Explain how energy conservation can be carried out in a sugar industry.
4. Explain the various energy conservation measures in steam power plant system.
5. Write a note on methods of upgrading the boiler performance.
6. What is total energy system? Explain the advantages and limitations of total energy system.
7. a) Discuss on the potential areas for electrical energy conservation.
b) Explain how energy could be conserved in adjustable AC drives.
8. Explain the energy management opportunity in electrical heating, lighting and cable selection.
