

Electricity Conservation and Environment (Elective-III) (EE804/1)

Time: 2 hours

Full Marks: 35

Answer any three questions.

Two marks are reserved for neatness.

1. (a) How are the sources of energy classified?
(b) What is environment and interaction between energy system & environment?
(c) Give a brief idea on the energy scenario of our country? (4+4+3=11)
2. (a) Discuss on electric power (i)generation and (ii)utilisation in India.
(b) How the pollution in atmosphere is created by thermal power plant? (6+5=11)
3. (a) What are the methods used to control emission in coal based thermal power plant?
(b) Describe (i)the pollution created and (ii)emission-control in automobile sources. (6+5=11)
4. (a) What is "Kyoto protocol" and the Kyoto's Flexible mechanism?
(b) Describe Clean Development Mechanism (CDM). (6+5=11)
5. Write notes on: (5½ × 2 = 11)
 - (a) Energy conservation in electrical equipment used in Industry
 - (b) Energy Audit, conservation, and environment