

- 10) Coal comes in the category of primary energy source.
A) True B) False
- 11) Write the name of gases released due to burning of coal.
- 12) Which instrument is used to measure the power factor directly?
- 13) What is the function of Lux meter?
- 14) List any three states where coal deposits are concentrated in india.

Attempt any four questions from Q-2 to Q-8

- Q-2 Attempt all questions (14)**
a) Discuss the energy supply for the following resources in India. (7)
i) Coal ii) Oil iii) Natural Gas
- b) Explain the effect of green house gases on atmosphere. (7)
- Q-3 Attempt all questions (14)**
a) Discuss on the immediate term and medium term energy strategies for future energy conservation. (7)
- b) Give any seven functions of Bureau of energy efficiency (BEE). (7)
- Q-4 Attempt all questions (14)**
a) Define energy audit? Discuss on the need of energy audit. (7)
- b) Discuss the method to be followed for preliminary energy audit. (7)
- Q-5 Attempt all questions (14)**
a) Write a short note on the below instruments. (7)
i) Fyrite ii) Fuel Efficiency Monitor
- b) What are pre-audit phase activities for detailed energy audit in any industry? (7)
- Q-6 Attempt all questions (14)**
a) Explain the following terms for energy performance assessment. (7)
i) Data Collection ii) Data Normalization
- b) What are the responsibilities and duties of an energy manager ? (7)
- Q-7 Attempt all questions (14)**
a) What are the improvements required to be made in motors to achieve the energy efficiency? (7)
- b) Write a short note on soft starter? Give the advantages of soft starter. (7)



Q-8

Attempt all questions

(14)

a) Explain the following air conditioning process.

(7)

i) Heating ii) Cooling iii) Ventilating iv) Humidifying

b) Write a short note on maximum demand controller.

(7)

