

B. Tech. Sem –VIII (Electrical Engg.) (2014 COURSE) (CBCS) :
SUMMER - 2019

SUBJECT: ELECTIVE-IV ENERGY MANAGEMENT

Day: Thursday
Date: 30/05/2019

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

S-2019-2899

N.B:

- 1) All questions are **COMPUSLORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data if necessary.

Q.1 Elucidate the current energy scenario of India and world. **(10)**

OR

Q.1 Explicate the term energy efficiency **(10)**

Q.2 Elucidate the need of energy audit. **(10)**

OR

Q.2 What are various instruments used in energy audit. **(10)**

Q.3 Explicate the term return or investment for energy management. **(10)**

OR

Q.3 Explain the various parameters which hamper the cost of steam **(10)**

Q.4 What are the various factors fettering the efficiency of a HVAC system. How can it be boosted? **(10)**

OR

Q.4 Elucidate various factors influencing the efficiency of compressors. How can it be enhanced? **(10)**

Q.5 Enlighten the term electrical load management and maximum demand control. **(10)**

OR

Q.5 Explicate the methodology for selection and location of capacitor to improve the power factor. **(10)**

Q.6 Write a note on waste heat recovery system. **(10)**

OR

Q.6 Elucidate the term carbon foot print, carbon credit certificate. **(10)**

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