

Total No. of Questions :6]

SEAT No. :

P86

APR. -16/TE/Insem. - 18

[Total No. of Pages :1

T.E.(Electrical)

**ENERGY AUDIT & MANAGEMENT
(2012 Course) (Semester - II) (303150)**

Time : 1Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) *Attempt Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q6.*
- 2) *Neat diagrams must be drawn whenever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use of non-programmable electronic pocket calculator is allowed.*
- 5) *Assume suitable data if necessary.*

Q1) a) Define and explain following terms: **[4]**

- i) Commercial and Non-Commercial Energy.
- ii) Primary and secondary Energy.

b) What are the salient features of Indian Electricity Act-2003? **[6]**

OR

Q2) a) Explain Indian and Global Energy Scenario. **[6]**

b) Explain the concept of Green Building. **[4]**

Q3) a) Define Energy management and what are its objectives?. **[4]**

b) Explain various energy management strategies. **[6]**

OR

Q4) a) What are the responsibilities and duties of Energy Manager? **[6]**

b) Explain energy monitoring system. **[4]**

Q5) a) Define SSM. What are its Constraints? **[6]**

b) Enlist steps involved in DSM. **[4]**

OR

Q6) a) Explain DSM through TOD. **[4]**

b) What are the barriers in DSM implementation? Suggest some solutions. **[6]**

