

Total No. of Questions : 6]

SEAT No. :

P530

[Total No. of Pages : 1

T.E./INSEM/APR-118
T.E. (Electrical) (Semester - II)
Energy Audit and Management
(2015 Pattern)

Time :1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Figures to the right side indicates full marks.*
- 3) *Use of logarithmic tables slide rule, Mollier charts, electronic pocket calculator and steam tables is allowed.*
- 4) *Assume suitable data, if necessary.*

Q1) Discuss energy sector reforms in India. Also give highlights of Electricity act 2003. **[10]**

OR

Q2) What is energy security? How energy security of nation is ensured? Will energy conservation help nation to be energy secured.? **[10]**

Q3) Explain structure of energy management division in an industry. Also discuss key elements in energy management. **[10]**

OR

Q4) Explain in detailed energy management strategy. Also explain role of motivation in successful energy management. **[10]**

Q5) Explain benefits of load curve manipulation. Explain daily, weekly and monthly load curve manipulation. **[10]**

OR

Q6) Explain role of tariff in energy management. Discuss various incentives and penalties applicable in different tariffs useful for energy management. **[10]**

