Total No. of Questions : 6]

## P530

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

*Time :1 Hour] Instructions to the candidates.*  [Max. Marks : 30

[Total No. of Pages : 1

**SEAT No. :** 

- 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<br/>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]

