

Total No. of Questions : 10]

SEAT No. :

P3189

[Total No. of Pages :2

[5461] - 228

B.E. (Electrical)

RESTRUCTURING AND DEREGULATION

(2012 Course) (Semester-I) (403144A) (Elective- II)

Time : 2 ½ Hours]

[Max. Marks :70

Instructions to the candidates:

- 1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, and Q9 or Q10.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use of logarithmic tables slide rule, Mollier charts, electronic pocket calculator and steam tables is allowed.*
- 5) *Assume suitable data, if necessary.*

Q1) a) Explain in brief the regulatory process in India. **[5]**

b) Write a short note on Renewable energy Credits. **[5]**

OR

Q2) a) Explain the term Return in equity in detail. **[5]**

b) Explain the main functions of Central Electricity Authority. **[5]**

Q3) a) Explain in brief capital cost, marginal cost. **[5]**

b) Describe the desirable characteristics of tariff of electricity. **[5]**

OR

Q4) a) Describe the working of Indian Energy Exchange (IEX) for a day ahead market. **[5]**

b) Write short note on Carbon credits. **[5]**

Q5) a) Write short note on multi-lateral trade based on industry structure and contractual arrangements. **[8]**

b) Write short note on wholesale competition, retail competition based on industry structure and contractual arrangements. **[8]**

OR

P.T.O.

- Q6)** a) Compare between competition for the market and competition in the market. [8]
b) What are models based on energy trading? [8]

- Q7)** a) Specify peculiarities of electricity as a commodity. Explain rules that govern the electricity market [8]
b) Explain the dynamic pricing of electricity. [8]

OR

- Q8)** a) Explain concept of trading power system. [8]
b) Compare integrated trading model and decentralized trading model. [8]

- Q9)** a) Explain the key features of Indian Grid Code and also explain transmission congestion issues. [10]
b) Write short note on Locational pricing model. [8]

OR

- Q10)** a) Explain three parts of ABT. Also explain how with implementation of ABT, the grid discipline is improved in Indian power sector. [10]
b) What are the pricing related issues in transmission pricing? [8]

