[5561]-187
B.E. (Electrical)
RESTRUCTURING AND DEREGULATION
(2012 Pattern) (Semester - I) (403144A) (Elective - II)

Time : 2½ Hours]   *[Max. Marks :70*
Instructions to the candidates:
1) *Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q9 or Q10.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Use of Calculator is allowed.*
5) *Assume Suitable data if necessary.*

Q1) a)   Explain the term return in equity in detail.   **[5]**

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

OR

Q2) a)   Explain in brief the regulatory process in India.   **[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]**

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