

Total No. of Questions : 10]

SEAT No. :

P2294

[Total No. of Pages : 2

[5254]-628

B.E. (Electrical) (Elective – II)

RESTRUCTURING AND DE REGULATION

(2012 Pattern)

Time : 2:30 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

- Q1)** a) Describe the concept of power exchange [5]
b) What are different characteristics of electricity tariff? [5]

OR

- Q2)** a) Explain the functions of CEA. [5]
b) Explain why Public participation is necessary in regulatory process. [5]

- Q3)** a) Give the structure of regulatory process in India. [5]
b) Explain different performance indices for generation and transmission. [5]

OR

- Q4)** a) Describe the various stages in determination of tariff for integrated utility. [5]
b) Write a short note on Performance Based Regulation. [5]

- Q5)** Explain following structural models. [16]
a) Monopoly.
b) Single Buyer.
c) Wholesale competition.
d) Retail competition.

OR

P.T.O.

- Q6)** a) Write a short note on Californian Energy Crisis [8]
b) Explain Electricity reforms of [8]
i) Nordic Pool
ii) UK

- Q7)** Write a short note on following electricity trading models. [16]
a) Integrated
b) Wheeling
c) Decentralized

OR

- Q8)** a) Explain in detail Retail competition. Also explain Retail Access Framework [8]
b) Explain various methods of transmission pricing [8]

- Q9)** a) Explain the three parts of Availability based tariff and how its implementation has helped in the improvement of the grid operation in Indian power sector. [9]
b) What are transmission congestion issues, explain in details. Also mention the different congestion management methods. [9]

OR

- Q10)**a) Explain the concept of open access and transmission right. Also explain transmission pricing. [9]
b) Explain the necessity of transmission planning with reference to market structure. Also explain the concept of transmission rights. [9]

