

Total No. of Questions : 8]

SEAT No. :

P3087

[Total No. of Pages : 2

[5670]-188
B.E. (Electrical)
Restructuring & Deregulation
(2012 Pattern) (Elective - II)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use of logarithmic table, slide rule, mollier charts, electronic pocket calculator and steam tables is allowed.*
- 5) *Assume suitable data, if necessary.*

- Q1)** a) Why the reformation has taken place in electrical power system? [6]
b) what are the key features of Electricity Act 2003. [6]
c) Explain the concept of Renewable Energy Credits and Carbon Credits.[8]

OR

- Q2)** a) Explain the desirable characteristics of tariff of electricity. [6]
b) Explain Average and Marginal costs. [6]
c) Explain the key indices for assessment of utility performance. [8]

- Q3)** a) What are the different models based on contractual arrangement explain any two in detail. [8]
b) Explain electricity reform of Latin America. [8]

OR

- Q4)** a) What are the different models based on structural models explain any two in detail. [8]
b) Write various steps that led to California Energy crisis. [8]

P.T.O.

- Q5) a)** Write short notes on : [8]
i) Day ahead Market
ii) Spot Market

- b) Explain the following trading models in detail : [10]
i) Integrated Trading model
ii) Wheeling Trading model

OR

- Q6) a)** Explain in detail ancillary service market of trading electricity. [8]
b) In context with Electricity Market, explain the following : [10]
i) Market Power
ii) Market Efficiency

- Q7) a)** What are various methods of congestion management explain any one in detail. [8]
b) Elaborate the reasons of congestion in power network. [8]

OR

- Q8) a)** What are various transmission pricing methods explain any one in detail. [8]
b) Explain Availability Based Tariff in detail. [8]

