

Total No. of Questions :6]

SEAT No. :

P77

OCT.-16/ BE/ In Sem. - 132

[Total No. of Pages :2

B.E. (Electrical)

RESTRUCTURING AND DEREGULATION
(2012 Course) (Semester - I) (Elective - II) (403144)

Time : 1 Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
- 2) *Figures to the right side indicate full marks.*
- 3) *Assume suitable data if necessary.*

- Q1)** a) Why the reformation has taken place in electrical power system. [5]
- b) Explain the institutional structure of Indian power sector before and after restructuring opted. [5]

OR

- Q2)** a) Explain the key objectives of 'Electricity Act 2003' with reference to generation, transmission and distribution sector. [6]
- b) Explain the working of Indian Energy Exchange for day ahead market. [4]

- Q3)** a) Explain following economic terms of power sector. [6]
- i) Fixed cost and variable cost.
 - ii) Capital cost.
 - iii) Depreciation.
- b) Describe the desirable characteristics of tariff of electricity. [4]

OR

- Q4)** a) Explain with numerical example, Internal Rate of Return method for calculating economic investment option. [6]
- b) Explain the tariff-Setting principle. [4]

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- Q5) a)** Explain following types of regulations: [6]
- i) Performance based regulation.
 - ii) Incentive regulation.
 - iii) Benchmarking or yardstick regulation.
- b) Write short note on Regulatory Process in India. [4]

OR

- Q6) a)** Explain the role of State Electricity Regulatory Commission and Central Electricity Regulatory Commission. [6]
- b) Explain the importance of 'public' participation in regulatory process. [4]

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