

B. Tech. Sem –VIII (Electrical Engg.) (2014 COURSE) (CBCS) :
SUMMER - 2019

SUBJECT-ELECTIVE – IV POWER SYSTEM RESTRUCTURING

Day: Thursday
Date: 30/05/2019

Time: 02.30 PM TO 05.30 PM
Max Marks: 60

S-2019-2897

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.
- 4) Assume suitable data if necessary.

Q.1 Describe in detail the functions of load dispatch centers in India. **(10)**

OR

Q.1 Explain roles of Ministry of Power in India. **(10)**

Q.2 Explain the terms
i) Net Present Value (NPV) ii) Internal Rate of Return (IRR) **(10)**

OR

Q.2 State in detail the roles of Indian regulatory commission in detail. **(10)**

Q.3 Describe Time of Day (ToD) tariff and its applications in various sectors. **(10)**

OR

Q.3 Explain in detail roles of captive power generations. **(10)**

Q.4 Write short notes on following regulations:
i) Performance based Regulation ii) Yardstick based Regulation **(10)**

OR

Q.4 Explain in detail type and role of ancillary services in power sector. **(10)**

Q.5 Explain dynamic pricing and spot based pricing in Indian power sector. **(10)**

OR

Q.5 Explain in detail real time based pricing and dispatch based pricing. **(10)**

Q.6 Explain game theory methods in power systems. **(10)**

OR

Q.6 Write short notes on the following:
i) Locational Marginal Pricing ii) Transmission cost allocation **(10)**

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