

**M. Tech.-II (Electrical -Power System) (CBCS – 2015 Course) :**

**SUMMER - 2019**

**SUBJECT: ELECTIVE – I: a) POWER SECTOR RESTRUCTURING & DEREGULATION**

Day : Tuesday  
Date : 11/06/2019

Time: 11.00 AM TO 02.00 PM  
Max. Marks: 60

**S-2019-3420**

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SAME** Answer book.

**SECTION – I**

- Q.1** Explain the function of following institutions in Indian Power Sector: [10]  
a) State and central government  
b) Load dispatch centers

**OR**

Describe the various national policies and guidelines under Electricity Act-2003. [10]

- Q.2** Explain in detail the term perfectly competitive market with reference to Power Sector economics. [10]

**OR**

Describe in detail regulatory process in Indian Power Sector. [10]

- Q.3** Explain in detail the different types tariffs in India. [10]

**OR**

Explain the effect of renewable energy and captive power generation on tariff. [10]

**SECTION – II**

- Q.4** Describe in detail the levels of competition with reference to power sector restructuring and market reform. [10]

**OR**

Explain the different market models based on contractual arrangements. [10]

- Q.5** Explain the following: [10]  
a) Power flows and prices  
b) Optimal power flow spot prices

**OR**

Describe the global experience with electricity reforms in different countries. [10]

- Q.6** Write detailed note on marginal and composite pricing paradigms and their competition. [10]

**OR**

Write detailed note on transmission loss allocation and various methods of loss allocation. [10]

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