

[Total No. of Questions - 8] [Total No. of Printed Pages - 2]
(2125)

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M. Tech 3rd Semester Examination
Power System Restructuring & Deregulation
EE1-631

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : (i) The candidates are required to attempt any five questions.

(ii) Use of non-programmable calculator is allowed.

1. Explain in detail various components of deregulated power system. (20)
2. Explain in detail the various steps for converting integrated classical power system into deregulated power market. (20)
3. Explain in detail single auction power pool and double auction power pool with the help of suitable examples and diagrams. (20)
4. What do you understand by ancillary services in deregulated power system? What are different types of such ancillary services? Explain their applications in detail. (20)
5. Explain in detail structure and functioning of open access same time information system for deregulated power sector. (20)

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6. (a) Explain the difference between restructured power system and Deregulated power system. (5)
- (b) Define and explain in detail with suitable examples Transmission Reliability Margin, Capacity Benefit Margin and Existing Transmission Commitments. (15)
7. Explain in detail with suitable examples congestion management of power sector. (20)
8. Explain in detail the experience of deregulation of Japan. (20)

[P.T.O.]