

M.Tech-Electrical Power System Sem II  
**EP204-B - Elective-II : Power System Deregulation**

P. Pages : 1

Time : Three Hours



**GUG/W/16/3953**

Max. Marks : 70

- Notes :
1. All questions carry equal marks.
  2. Answer **five** questions.
  3. Assume suitable data wherever necessary.
  4. Non programmable calculator is permissible.

1. a) Discuss the salient features of Electricity act 2003. 7  
b) What is the impact of Electricity act 2003 on distribution. 7
2. a) What is meant by Deregulation or restructuring of power system. 7  
b) Describe market architecture, as applicable to power system Deregulation. 7
3. a) What is the role of Ministry of power related to restructuring of power system. 7  
b) Discuss with block diagram Monopoly based model. Also write their Merits and demerits. 7
4. a) Discuss the various factors related with the transfer capability of transmission network. 7  
b) What is the importance of congestion management in the Deregulated Environment. 7
5. a) Define ATC, TTC, and TRM related to the transmission capability. 7  
b) List non Market methods of congestion management and explain capacity allocation of the first come first serve basis method. 7
6. a) Discuss with block diagram. Frequency regulation as a ancillary service. 7  
b) Write a short notes on "Transmission pricing". 7
7. a) Give the classification of transmission pricing schemes and explain postage stamp method in detailed with example. 7  
b) List the loss allocation methods and explain Incremental loss allocation method in detail. 7
8. a) Write short notes on Long run marginal cost pricing (LRMC). 7  
b) Write short notes on "ISO based Markets Model". 7

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