

Roll No

MEPS-204

M.E./M.Tech., II Semester

Examination, December 2016

Restructured Power Systems

Time : Three Hours

Maximum Marks : 70

- Note :* i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What are the main reasons that fuelled the concept of deregulation of the power industry.
b) Define congestion management and its importance in the deregulated environment.
2. a) What are the different types of ancillary services in restructured power system.
b) Explain Bilateral contracts and spot market in detail.
3. Give the classification of transmission pricing methods and explain.
4. a) Explain risk assessment and hedging in deregulated electricity market.
b) Explain load elasticity and its role in congestion management.

5. a) Explain how deregulation introduce competition in electricity power market.
b) Explain role of OPF in restructured market.
6. Describe the impact of distributed generation on transmission pricing and system reliability.
7. Explain IT applications in restructured market.
8. Write short note on any two:
 - a) PJM
 - b) Optimal bidding
 - c) ATC
