

Total No. of Questions :8]

[Total No. of Printed Pages :1

Roll No

MEPS-204

M.E./M.Tech., II Semester Examination, June 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 different types of market model?
b) What are the features for congestion management?
2. a) Explain different types of ancillary services in restructured power system.
b) Explain different types of transmission pricing.
3. a) Explain inter zonal and intra zonal congestion management.
b) Describe the time-line for various energy markets.
4. a) Explain the consumer behaviour and supplier in restructured power system.
b) Explain different performance indices for distributed generation in restructured market.
5. a) Describe the current challenges in PJM energy market.
b) Explain reforms in Indian power sector.
6. a) Describe how to obtain ancillary service in restructured power system.
b) Discuss the risk management applications in restructured power systems?
7. a) Compare distinguish features of electricity with other commodity in restructured environment.
b) Explain to calculate ATC using DC power flow analysis.
8. Write short notes on any two of the following:
 - a) Role of OPF in restructured market
 - b) Standard market design
 - c) IT applications in restructured markets
