

MEPS-204**M.E./M.Tech., II Semester**

Examination, May 2018

Restructured Power Systems*Time : Three Hours**Maximum Marks : 70*

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

1. a) Explain the need and structure of Restructure of Power System.
b) What is the role of OPF tool in vertically integrated restructuring system?
2. a) What are the features for Congestion management?
b) Explain inter zonal and intra zonal congestion management.
3. a) Explain how risk assessment is done in electricity trading.
b) Explain Hedging instrument or strategy for electricity pricing risk design.
4. Explain the transmission pricing and ways to trace flow of power flow through the power network.

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5. a) Explain how to obtain ancillary services in restructured power systems.
b) Explain the Electricity Market Architecture in restructured power system.
6. Explain the concept of Distributed Generation and discuss how it can be implemented in the restructured market.
7. Discuss the role and application of Information Technology in restructured power systems.
8. Write short notes on the followings:
 - a) PJM Interconnection
 - b) Optimal Bidding
 - c) Standard Market design.
