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Total No. of Pages: 01

Total No. of Questions: 08

M.Tech. (Power System) (Sem. – 2)
RESTRUCTURED POWER SYSTEMS

Subject Code: MTPS-203A-18

M Code: 76134

Date of Examination : 02-01-2023

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWELVE marks.

1. Describe various market models in restructured power system.
2. Explain lossless DCOPF model for LMP calculations.
3. Describe different types of ancillary service in restructured power system.
4. Explain marginal transmission pricing paradigm.
5. What are the optimal methodologies in different market structures? Explain
6. Give a detailed explanation of inter zonal congestion and intra zonal congestion.
7. a) Explain black start capability services.
b) Write a note on PJM Interconnections.
8. What are the reforms in the Indian power sector? Explain.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.