

Roll No.

Total No. of Pages : 02

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

Subject Code : MTPS-203A-18

M.Code : 76134

Date of Examination : 08-07-22

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. a) What do you mean elastic and inelastic market?
b) List the objectives of restructured power market. Also list some benefits of deregulation.
2. a) What is meant by non-market methods of congestion management?
b) With the neat diagram explain the constituents of generation rescheduling in congestion management.
3. a) Explain the roles and responsibilities of Independent System Operators (ISO) and Load Dispatch Center (LDC).
b) Explain briefly about Financial Transmission Rights (FTR).
4. a) Explain the concept of open access. Also explain the concept of transmission rights and transmission pricing.
b) Explain the different auction mechanism employed in competitive electricity markets.
5. a) Explain the important changes occurred in Indian power sector after electricity reform.
b) Explain retail competition. Also explain the retail access framework.
6. a) Define Available Transfer Capability (ATC).
b) Explain the functions of ancillary services.

7.
 - a) Explain the various pricing options related to transmission
 - b) Write a detailed note on buying and selling ancillary services.
8.
 - a) Discuss about the role of transmission planning and financial transmission rights.
 - b) Brief the current Scenario of Indian power market.

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