

Power System Economics (Elective-IV)

Time: Three Hours

Maximum Marks: 70

Note: Attempt all questions. All questions carry equal marks.

UNIT-I

1. Distinguish the following:

- a) Regulation and deregulation.
- b) Short run cost and long run cost

OR

- 2. a) Discuss Nodal pricing and market power.
- b) Derive Mathematical formulation of nodal pricing.

UNIT-II

3. Explain relation between the average cost curve (AC) and the marginal cost curve.

OR

4. Discuss Short - Run Average Cost Curve (SRAC) and the Long - Run Average Cost Curve (LRAC).

UNIT-III

5. Distinguish the following:

- a) Forward contracts and forward markets.
- b) Future contracts and futures markets.

OR

- 6. a) Give a comparison of pool and bilateral trading.
- b) What is the need for a managed spot market.

UNIT-IV

7.a) Discuss bilateral trading.

- b) Explain Operation of the managed spot market.

OR

- 8. a) What do you understand by term "Congestion Management"?
- b) What is transmission pricing in restructure?

UNIT-V

9. Write short notes on (any two)

- a) ATC                      b) Auction                      c) Testing of market design

OR

- 10.a) Explain monopoly power in market power.
- b) Explain market power on demand side.