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Roll No

EE/EX-7005(1)-CBGS

B.E. VII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Power System Economics

Time : Three Hours

Maximum Marks : 70

Note: i) Answer any five questions.

ii) All questions carry equal marks.

1. a) Define the terms "Regulation" and "Deregulation". Explain the condition for deregulation in power system.
b) Explain the term "Congestion" in power system. Discuss the various congestion management techniques applied in Indian power system with suitable example.
2. a) Derive mathematical formula for nodal pricing.
b) Explain Relation between Average Cost Curve (AC) and Marginal Cost Curve.
3. a) What are the attributes of price quality outcomes? Discuss three stages of market power.
b) Explain monopolistic power market with suitable example. Discuss various methods to minimise the monopoly in power auction.
4. Distinguish between future contracts and future markets.

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5. a) Discuss the term "Competitive price" in market power. Explain various methods to design for competitive prices.
b) Enlist various testing market rules. Explain the procedure of testing of market design.
6. What is Transmission pricing in restructure?
7. a) What are the fundamentals of Restructure system?
b) What do you know about structure of OASI's?
8. Write short notes : (Any two)
 - a) ATC
 - b) Competition for the market Vs competition in the market
 - c) Pool and Bilateral trading
