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**B.Tech. (EE)**

EIGHTH SEMESTER
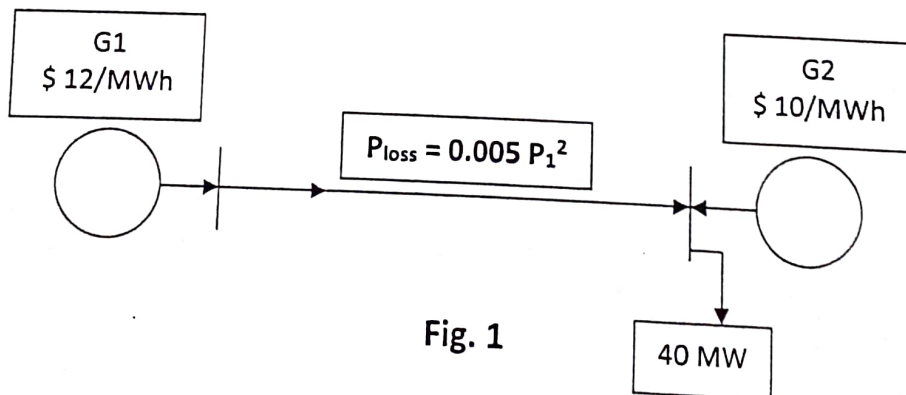
**MID SEMESTER EXAMINATION**

*(March 2019)*

**EE-408 Restructured Power System**

Time: 1:30 Hours

*Max. Marks: 100*

| Note: | Answer all questions. |
|---|---|
| | Assume suitable missing data, if any. |

Q1. What are various Restructured Power System Models? Explain any three models. (20)

Q2. What do you understand by deregulation? Write 10 features of deregulated electricity market. (20)

Q3. Explain followings (20)

    a. Scheduling Coordinator
    b. Power Exchange
    c. ISO
    d. Market Power

Q4. In fig. 1, find the cost to serve the load in following cases. (i) Only G1 is dispatched (ii) Only G2 is dispatched (iii) Both G1 and G2 are dispatched. (20)



G1 $ 12/MWh

G2 $ 10/MWh

$P_{loss} = 0.005\,P_1^2$

40 MW

Fig. 1

Q5. Discuss salient features of the Electricity Act 2003. What is market clearing price (MCP), explain with suitable example. (20)