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Roll No .....

**ME-703(C)-CBGS**

**B.Tech., VII Semester**

Examination, December 2020

**Choice Based Grading System (CBGS)**

**Systems Engineering**

*Time : Three Hours*

*Maximum Marks : 70*

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. a) Discuss the objectives of system engineering. 7  
b) What are system engineering field. 7
2. a) Explain system environment. 7  
b) Discuss structure of complex system. 7
3. a) Explain concept development and exploration. 7  
b) Discuss system operational requirement. 7
4. a) Discuss reducing program risk. 7  
b) Explain function and analysis of design. 7
5. a) Explain Prototype Development as a Risk Mitigation Technique. 7  
b) What is System Integration? 7
6. a) Explain the term Engineering For Production. 7  
b) Explain test planning and preparation. 7

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- 7. a) What are the Various activities involved in engineering design phase? 7
- b) Explain product Transition From Development To Production. 7
- 8. a) Write short notes on system engineering and approaches. 7
- b) Discuss the origin of system engineering. 7

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