Total No. of Questions : 8]   [Total No. of Printed Pages : 2

Roll No ....

MEMT-201
M.E./M.Tech., II Semester
Examination, June 2017
Modeling and Simulation

Time : Three Hours

Maximum Marks : 70

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

1. a) Discuss about the Stochastic activities.
   b) Discuss about the continuous and discrete system modeling.

2. a) Discuss about the techniques of simulation.
   b) Discuss about the numerical computation techniques for continuous and amp model.

3. a) Discuss about the continuous uniform distributed and computer generation of random number.
   b) Discuss about the Rejection methods.

4. a) Discuss about discrete events and representation of time in discrete system simulation.
   b) Write a brief note on discrete simulation languages.

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5. a) Discuss various steps of simulation.
   b) Explain how to do parameter estimation.

6. a) Discuss about goodness of fit tests.
   b) Discuss about multivariate and time series input models.

7. a) Discuss the types of simulation with respect to output analysis.
   b) How to measure the performance of single model and how to estimate them.

8. Write short notes on any two of the following:
   a) Static and Dynamic systems
   b) Stochastic variables
   c) SIMSCRIPT

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