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

Roll No ....

MEDC-202

M.E./M.Tech., II Semester

Examination, December 2017

Modelling and Simulation of Computer

Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Discuss about Discrete event system simulation. Also discuss its advantages and disadvantages.

   b) Explain about discrete and homogeneous systems.

2. a) Discuss about various steps of simulation.

   b) Explain about discrete distribution and continuous distribution.

3. Discuss the characteristics of queuing system transients and steady state behaviour of queue.

4. a) Discuss the distribution of pseudo random numbers.

   b) Discuss about inverse transform technique.

5. a) Explain about Random-variant distribution.

   b) Explain how to select input model without data.

6. a) Discuss about output analysis for single model.

   b) Discuss about types of simulation with respect to output analysis.

7. a) Discuss about analysis for terminating simulations.

   b) Discuss about the nature of output data.

8. Write short notes on any two of the following:

   a) Statistical models.

   b) Possions process and empirical distribution.

   c) Queuing system property.

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