MCA-15, M.Sc. (CA)-14
2nd Year Examination, Academic Batch 2016-17
Modeling & Simulations

Time : 3 Hours]   *[Max. Marks : 100*

Note. *Attempt any* ***five*** *questions. All questions carry equal marks.*

1. What is System? Describe the Natural and Artificial Systems.

2. Explain the Model verification and validation by giving the example.

3. Explain Simulation. When do we use Simulations?

4. Explain the Real-time Simulation and Hybrid Simulation in detail.

5. What are the different types of models? Explain Model verification and validation.

6. Explain Auto Pilot and Servo system simulation.

7. Explain Exponential Decay Model?

8. Explain Critical Path Method (CPM).