

TCS-506

1159

Printed Pages: 2

Paper Code & Roll No. to be filled in your Answer Book

Roll No.

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B. Tech III Year V Sem.

Odd Semester Examination-2015

MODELLING & SIMULATION

Time : 3 Hours]

[Maximum Marks :100

Unit-1

Answer any four (4x5)

- Q1:** Explain static and dynamic physical models.
- Q2:** What is requirement of the modeling and simulation?
Briefly explain it
- Q3:** What is the difference between analytical methods and simulation?
- Q4:** Explain dynamic mathematical models with example.
- Q5:** Explain the Advantages and Disadvantages and pitfalls of simulation

Unit-2

Answer any four (4x5)

- Q1:** Explain the different types of system simulation.
- Q2:** Explain numerical computation techniques for continuous and discrete models.

Q3: Briefly explain Cobweb model.

Q4: What do you mean continuous simulation languages?
Explain it.

Q5: Explain different types of simulation tools.

Unit-3

Answer any two (2x10)

Q1: Describe analog method for continuous simulation.

Q2: List out the language used in simulation explains it.

Q3: Explain analog and hybrid computers using the system simulation.

Unit-4

Answer any two (2x10)

Q1: Explain different logistic curves in the simulation.

Q2: Explain multi-segment models with diagram.

Q3: What are all the different acceptance rejection techniques?
Briefly explain it..

Unit-5

Answer any two (2x10)

Q1: Briefly explain stochastic simulation.

Q2: What do you mean generation of arrival pattern? Briefly explain it.

Q3: How to describe the simulation in term of representation of time.