Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(CAD/CAM)   (Sem.–2)
SYSTEM DESIGN & ANALYSIS
Subject Code : ME-503
Paper ID : [E0878]

Time : 3 Hrs.   Max. Marks : 100

INSTRUCTION TO CANDIDATES :
1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

Q1   Discuss the problem definition with system concept and approach.

Q2   Discuss the linear graph approach and time models for system modeling.

Q3   What is simulation of a system and discuss basic philosophy of simulation?

Q4   Explain what do you mean by dynamic behaviour of organization using suitable example.

Q5   What is game theory? Discuss the application of game theory to system design.

Q6   Discuss the dynamic analysis of the model from capital investment.

Q7   Discuss gradient method and dynamic programming method for system optimization.

Q8   Discuss what is system using suitable example and explain its system inputs and outputs.