Code No: D0402
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech II - Semester Examinations, March/April 2011
FLEXIBLE MANUFACTURING SYSTEMS
(CAD-CAM)

Time: 3hours   Max. Marks: 60

Answer any five questions
All questions carry equal marks
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1.   Define flexible manufacturing system. Also, explain its evolution from mechanized machine to contemporary flexible manufacturing system.   [12]

2.   Explain various scheduling procedures applied to FMS.   [12]

3.   Discuss the functions performed by the FMS computer control system.   [12]

4.   Discuss the steps involved in scheduling I jobs in FMS.   [12]

5.   What results can be achieved with simulation? Explain the main steps involved in execution of a simulation.   [12]

6.   Discuss the use of deterministic models for quantitative analysis of FMS. [12]

7.   List out the typical data handled by an FMS. Explain their role in detail. [12]

8.   Write short note on any **three** of the following
      a. Implementation issues of FMS.
      b. Preventive maintenance.
      c. Applications of simulation software.
      d. Supervisory computes.   [12]

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