R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II - SEMESTER EXAMINATIONS, APRIL/MAY 2012
REAL TIME SYSTEMS AND PROGRAMMING LANGUAGES
(REAL TIME SYSTEMS)

Time: 3hours   **Max. Marks: 60**

Answer any five questions
All questions carry equal marks
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1.a) Explain the characteristics of Real Time Systems.
  b) Explain various data types in JAVA.

2.a) Explain about Human Computer interaction.
  b) Explain control structures in Ada.

3.a) Explain Software dynamic redundancy.
  b) Write about modern exception handling.

4.a) Compare N-Version programming with recovery blocks.
  b) Discuss POSIX messages.

5.a) Explain about process representation.
  b) Explain about conditional critical regions.

6.a) Explain message-passing semantics of occam2.
  b) Explain Asynchronous transfer of control in Real time JAVA.

7.a) Explain response time analysis for FPS.
  b) Explain about Resource management.

8.a) Explain deadline scheduling in a distributed environment.
  b) Explain HRT-HOOD design method.

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