JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH I SEMESTER EXAMINATIONS, APRIL/MAY-2012
EMBEDDED SYSTEMS
(COMMON TO COMPUTER SCIENCE & ENGINEERING, COMPUTER
SCIENCE)

Time: 3hours   Max. Marks: 60

Answer any five questions
All questions carry equal marks
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1.   Explain Embedded Hardware and devices in a systems. Explain classification of Embedded systems.

2.a)   Explain 8051 Micro controller Hardware, I/O ports and circuit with external memory.
  b)   Explain counters and interrupts in 8051.

3.   Explain Different advanced architecture processors.

4.   Consider a software program file jntu.c is to be compiled. Show the flow diagram of different Stages for compilation, linking etc.

5.   Explain what are the different services of OS.

6.   Explain Task scheduling and interrupt latency.

7.   Explain the features of different RTOSes.

8.   Explain Host target environment. Explain embedded software development process and Tools, linking and locating software and getting embedded software into target device.

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