

Code No: C8208, C7809

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

Time: 3hours

Max. Marks: 60

**Answer any five questions
All questions carry equal marks**

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1. Explain the procedure for Embedded systems design.
2. Explain serial and parallel ports, wireless devices, and watch dog timer and its importance
3. What are the different data types used in embedded systems? Give an example of structure.
4. Explain with an example pointers, Macros and functions.
5. Give five examples of any RTOS functions and explain its use.
6. Explain Testing procedure of host machine. What are the simulators and laboratory tools.
7. What is the difference between Embedded systems and Real-time systems. Explain in details with examples.
8. Consider a software program file jntu.c is to be compiled. Show the flow diagram of different Stages for compilation, linking etc.
