Code: 9D06102

M.Tech I Semester Supplementary Examinations August 2016
EMBEDDED SYSTEM CONCEPTS
(Common to DSCE, DECS, ECE, ES, VLSIES, ESVLSI & VLSIESD)
(For students admitted in 2012, 2013, 2014 & 2015 only)

Time: 3 hours   Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1 (a) Give an account on classification of embedded systems.
   (b) Distinguish between microprocessor and micro-controller. What are the issues in embedded software development?

2 (a) What are the different memory devices used in embedded systems?
   (b) Explain input output devices used in embedded systems.

3 (a) Explain the selecting an architecture saving memory space.
   (b) List four types of utility programs.

4   Explain parallel port and serial port device driver development procedure.

5   Define the following:
   (a) Object oriented program.
   (b) Inline assembly.
   (c) Macros and functions.

6 (a) Explain how communication takes place between two processors.
   (b) Define a task and threads.

7 (a) Explain the need for project management in embedded system and write its advantages.
   (b) What is ROM emulator?

8 (a) What is target system? How does the target system differ from final embedded system?
   (b) Explain the abilities and problems with simulators.

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