R09

Code: 9A02806

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2015
EMBEDDED SYSTEMS
(Mechatronics)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Explain various types of embedded system in detail.
   (b) What are different issues in embedded system S/w development?

2 (a) Explain various memory devices.
   (b) Write short notes on interfacing in an embedded system.

3 (a) Explain serial communication in detail.
   (b) Why do you need at least one timer device in an embedded system? Explain in detail.

4 (a) Explain interrupt servicing mechanism.
   (b) What are device drivers? Explain in brief.

5 (a) Explain modeling process for software analysis.
   (b) How modeling of multiprocessor system is done? Explain.

6 (a) Write short note on software management.
   (b) Explain design & implementation phase of software engineering.

7 (a) What are design issues in software development?
   (b) Explain use of ICE for development of embedded system.

8 (a) Explain in detail real time OS.
   (b) Enlist various OS services.

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