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# Question Paper Code: 40394

#### M.E.M.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.

#### Elective

M.E. Communication Systems

#### CU 5092 — REAL TIME EMBEDDED SYSTEMS

(Common to M.E. Communication and Networking/M.E. Medical Electronics)

(Hegulations 2017)

Time: Three hours

Mascimum : 100 marks

#### Answer ALL questions.

#### PART A - (10 × 2 = 20 marks)

- What are the advantages and disadvantages of load-store multiple
- Mention the importance of instruction scheduling and conditional execution of ARM instructions.
- 3. What are the debugging challenges?
- 4. Draw the timing diagram of Bus read and write operation.
- 5. What are the three conditions that must be examined by the re-entrant function?
- 6. How is a Real time operating system uniquely different than a general purpose OS?
- Draw the CAN data frame packet format.
- Differentiate single bop network from multi bop network.
- 9. Why most designers use FOSS tools in embedded system development?
- 10. What are the methods for testing a software modem?

# **Embedded Systems Anna University Question Paper**

**R Sandford** 

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