TE/Insem/APR - 40
T.E. (Computer Engineering)
EMBEDDED OPERATING SYSTEMS
(2012 Pattern) (Semester - II)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates :

1) *Answer Q.No. 1 or Q. No. 2, Q.No. 3 or Q. No. 4, Q.No. 5 or Q.No. 6.*

2) *Neat diagrams must be drawn wherever necessary.*

3) *Figures to the right indicate full marks.*

4) *Assume Suitable data, if necessary.*

Q1) a) List various inter - process communication method. Explain one of them in details. **[4]**

b) Explain Real time scheduling algorithm technique with example. **[6]**

OR

Q2) a) What are the qualities to be considered during selection of scheduling algorithm. **[6]**

b) Explain Rate Monotonic algorithm. Explain with suitable example. **[4]**

Q3) a) Explain the advanced features of ARM. **[5]**

b) Explain the directives used in assembly language programming. **[5]**

OR

Q4) a) Give the distinguishing features of Beagle - black bone. **[5]**

b) ARM processor is in fact two processors in on chip ARM and THUMB. Explain why two processors are integrated in one chip? **[5]**

Q5) a) How to configure Busy box? **[5]**

b) Write a note on Cross Development Environment. **[5]**

OR

Q6) a) Write short note on Universal Boot Loader. **[4]**

b) Write a Note on (any two) **[6]**

    i) OSDL

    ii) Boot Strap Loader

    iii) POST

    iv) Init process

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