

Total No. of Questions : 10]

SEAT No. :

P3238

[Total No. of Pages : 2

[4859] - 1040

B.E. (ESTC)

EMBEDDED SYSTEM & RTOS

(2012 Pattern) (Elective - I)

*Time : 3 Hours]**[Max. Marks : 70**Instructions to the candidates :*

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Figures to the right indicate full marks.*
- 3) *Assume suitable data, if necessary.*

- Q1)** a) Explain the characteristics of embedded system. [5]
b) Explain the waterfall model. [5]

OR

- Q2)** a) Write a program in embedded C to implement scheduler. [7]
b) Explain the different states of task. [3]

- Q3)** a) Explain the classification of embedded system. [3]
b) Write a program in embedded C to implement semaphore. [7]

OR

- Q4)** a) Write a program in embedded C to implement mailbox. [7]
b) Compare MUCOS RTOS with LINUX RTOS. [3]

- Q5)** a) Explain the importance of embedded Linux in the development of embedded system. [8]
b) Explain the memory storage considerations for embedded Linux system. [8]

OR

P.T.O.

