Total No. of Questions : 6] SEAT No. :

P507

[Total No. of Pages : 1

TE/Insem/APR - 39
T.E. (Computer Engineering)
Principles of Concurrent and Distributed Programming
(Semester - II) (2012 Pattern)

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

Instructions to the candidates :

1) ***Answer Question 1 or 2, 3 or 4, 5 or 6.***
2) ***Neat diagrams must be drawn wherever necessary.***
3) ***Figures to the right side indicatefull marks.***
4) ***Assume Suitable data if necessary***

Q1) a) List and explain Computational Models. **[5]**

b) Write a LISP program to calculate factorial of a number. **[5]**

OR

Q2) a) Explain architecture of OpenCL. **[5]**

b) Explain the mechanism in process migration. **[5]**

Q3) a) Explain inter thread communication with suitable diagram. **[5]**

b) Explain the mechanism in process migration. **[5]**

OR

Q4) a) Write short note on shared memory. **[5]**

b) What are two different ways of creating threads in Java? **[5]**

Q5) a) Compare CPU and GPU. **[5]**

b) Write a note on Feng's classification. **[5]**

OR

Q6) a) Explain parallel architectures using suitable diagram. **[5]**

b) Explain various alternatives of CUDA.

♦♦♦♦