Total No. of Questions : 6]

SEAT No. :

P282

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Oct./BE/Insem.-600
B.E. (Computer Engineering)
DISTRIBUTED SYSTEM
(2015 Course) (Semester - I) (Elective - II) (410245 (A))

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

Instructions to the candidates:

1) ***Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.***
2) ***Figures to the right side indicate full marks.***
3) ***Neat diagrams must be drawn wherever necessary.***
4) ***Assume suitable data if necessary.***

Q1) a) Describe steps to perform RMI. **[5]**

b) What are the challenges to design scalable distributed system. **[5]**

OR

Q2) a) What is mean by transparency, explain any three types. **[5]**

b) Define distributed system. Describe the characteristics of DS. **[5]**

Q3) a) Differentiate between central & distributed schedular. **[6]**

b) What is vector clock? Explain rules of implementing vector clock. **[4]**

OR

Q4) a) Explain the main problems in physical clock synchronization. **[6]**

b) Explain token passing algorithm with example. **[4]**

Q5) a) Describe ring algorithm with example. **[5]**

b) Explain in brief communication detection algorithm. **[5]**

OR

Q6) a) What are cuts and consistent cuts of distributed system. **[5]**

b) Explain in brief resource deadlock detection algorithm. **[5]**