

Mid Term Exam Distributed Algorithms (CO402)

Time 2:30 PM - 3:30 PM

Duration - 1 Hr

Total Marks - 20

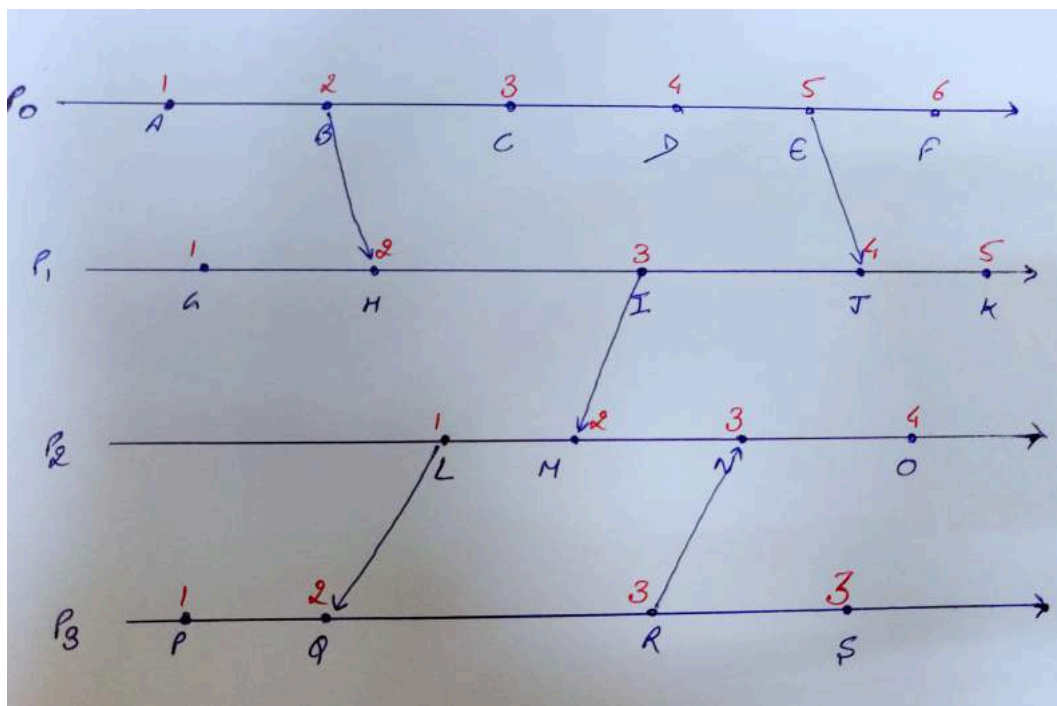
Q1 In which model each message is associated with specific topic and event -describe that method in brief. (2 Marks)

Q2 Write a program to implement echo client-server message passing application. Message sent from client should be displayed on server and then program should terminate. (3 Marks)

Q3 Explain different forms of Transparency related to distributed systems. (5 Marks)

Q4 Explain different message forwarding mechanisms related to process migration. (5 Marks)

Q5 Apply Lamport's algorithm for time synchronisation (5 Marks)



1. Specify which events require time synchronisation (1 Mark)

2. Apply Lamport's algorithm to synchronise each event. (4 Marks)

(Explicitly show cascading time changes in other events of a process while synchronising any specific event)