

Course No: SWEN4415
Course Title: Distributed System
Date: 11/01/2018
No. of Questions: (9)
Time: 2hours
Using Calculator (No)

University of Palestine



Final Exam
2nd Semester 2017/2018
Total Grade:100

InstructorName:Eng:Suhail Iqrinawi
Student No.: _____
Student Name: _____
CollegeName:College of Engineer
Dep. / Specialist: _____
Using Dictionary (No)

Question One:

(10 Marks)

Define:

1-XML

2-CORBA

3-protocol

4-WSDL

5-ReST

6-UDDI

7-RPC

8-API

9-SOAP

10-RTT

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Question Two: (10)

A: List the three types of invocation semantics in RMI. And explain one of it. (5 Marks)

B. What is the purpose of proxy servers?(5 Marks)

Question Three: (10)

Q3-A-What is difficulties and threats to distributed system for modeling? (5 Marks)

Q3-B- What is the main characteristic of inter process communication? (5 Marks)

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Question Four:

(10 Marks)

List the six layers of OSI and explain the main role for every layer.

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Question five : (10 Marks)

Explain the difference between the RMI,RPC.

Question six : (10 Marks)

A-what is the six condition in relation happened before in logical time and clocks?(5 Marks)

B,lsit the main advantaged and disadvantages for middleware layer.(5Marks)

Question Seven : (10 Marks)

How RPC systems work? List the steps of RPC working and supporting them with graph procedure? (10 Marks)

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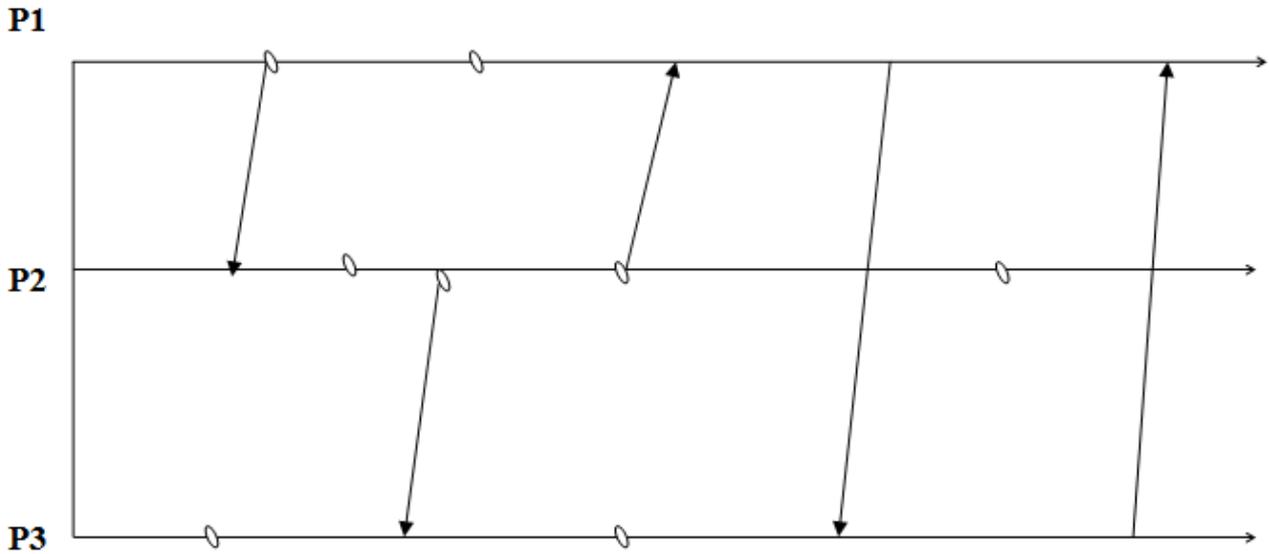


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Question Eight : (15Marks)

By using the vector clock algorithm find the nodes event for three process, and show the tow event which are concurrent?



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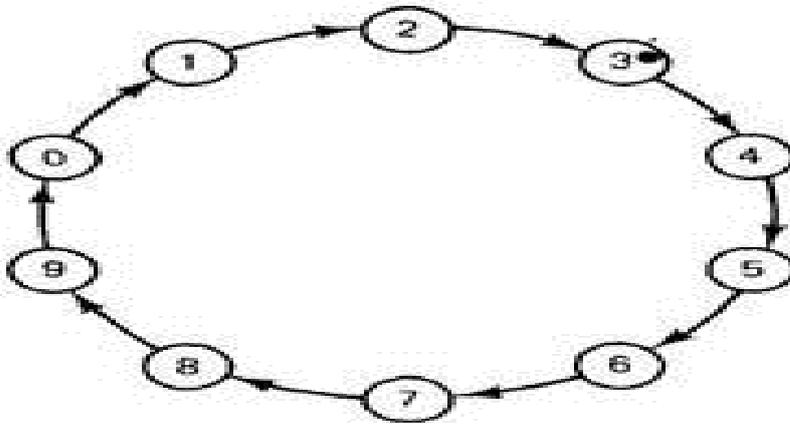


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Question Nine : (15Marks)

By using the Ring Based algorithm, find the coordinator or leader for all these process where the initiate process is(5).



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