

Course No : SWE 4417

College of Engineering

Student No: _____

Course Tile:

Distributed Software Systems

**Midterm Exam of
SecondTerm**

Student Name: _____

2014/2015

Exam Time: 1.5 Hours

Eng. Ibrahim Al-Sharif

Date: 02-04-2015

No of Questions: 5

Total Grade: 20

Try to Answer: All

Q1: State whether each of the following statements is True or False: (2 marks)

- 1- The client/server model is organized around clients that request services and servers that provide services.().*
- 2- Fundamental models describe properties common to all architectural models often focusing on communications between nodes. ().*
- 3- The method Id and the marshalling and un-marshalling is handled by remote reference module. ()*
- 4- An instance of RMI registry must be running on every computer containing a remote object. ().*
- 5- One way of partitioning a system is to classify processes as client processes, server processes or peer processes. ()*

Q2- Define the following: (5 marks)

- 1- Distributed System:*
- 2- Cloud Computing:*
- 3- Middleware:*
- 4- Pervasive Systems:*
- 5- Virtualization:*

Course No : SWE 4417 **College of Engineering** **Student No:** _____

Course Tile: **Midterm Exam of** **Student Name:** _____
Distributed Software Systems **SecondTerm**

2014/2015

Exam Time: 1.5 Hours **Eng. Ibrahim Al-Sharif** **Date: 02-04-2015**

No of Questions: 5 **Total Grade: 20** **Try to Answer: All**

Q3- Answer the following: (4 marks)

1- Talk about the motivation for distributed systems.(1)

2- List the fundamental models of distributed systems, explain why we need every model(3).

Course No : SWE 4417 **College of Engineering** **Student No:** _____
Course Title: **Midterm Exam of** **Student Name:** _____
Distributed Software Systems **SecondTerm**
2014/2015
Exam Time: 1.5 Hours **Eng. Ibrahim Al-Sharif** **Date: 02-04-2015**
No of Questions: 5 **Total Grade: 20** **Try to Answer: All**

Q4- Answer the following: (9 marks)

1- Peer-to-peer model architecture is divided into structured and unstructured, list and explain shortly with drawing the unstructured peer-to-peer models.(3)

Course No : SWE 4417	College of Engineering	Student No: _____
Course Tile: <i>Distributed Software Systems</i>	Midterm Exam of SecondTerm 2014/2015	Student Name: _____
Exam Time: 1.5 Hours	Eng. Ibrahim Al-Sharif	Date: 02-04-2015
No of Questions: 5	Total Grade: 20	Try to Answer: All

2- Client-Server configurations are generally categorized in two types(Two-tire and N-tire), explain with drawing. (3)

3- Client-Server patterns are generally categorized in two types(Fat and Thin), explain with drawing. (3)

Course No : SWE 4417

College of Engineering

Student No: _____

Course Title:

Distributed Software Systems

**Midterm Exam of
SecondTerm**

Student Name: _____

2014/2015

Exam Time: 1.5 Hours

Eng. Ibrahim Al-Sharif

Date: 02-04-2015

No of Questions: 5

Total Grade: 20

Try to Answer: All
