Philadelphia University
Faculty of Engineering

Student Name:
Student Number:

Dept. of Computer Engineering
Second Exam, Second Semester: 2009/2010

Course Title: Software Engineering	**Date: 11/05/2010**
Course No: (630351)	**Time Allowed: 1 Hour**
Lecturer: Mohammed Bani Younis	**No. of Pages: 2**

Question 1: Multiple choice question *(5 points)*

Choose **ALL** the correct answer in the following questions

1) the target audience of the requirement document is:
a) University students   b) Customers   c) system engineers
d) Managers   e) none of the above

2) Which of the following statements is true?
a) system requirements are much more detailed than user requirements.
b) user requirements are much more detailed than system requirements.
c) functional requirements are much more detailed than non-functional requirements.
d) non-functional requirements are much more detailed than system requirements.
e) none of the above.

3) In a formal Software development it is important to perform the following:
a) verification of the software   b)Testing of the Software   c) Validation of the project
d)   a+b   e) none of the above

4) _____ are based on mathematical representation and analysis of software
a) iterative methods b) informal methods   c) evolutionary methods
d) spiral methods   e) formal methods

5) In the _____ model, one phase has to be complete before moving on to the next phase
a) waterfall   b)   formal   c)   component based
d) spiral   e)   iterative   f)   none of the above

Question 2: *(6 points)*

1. Mention the basic activities of the Software Development Life Cycle.[2 points]

2. Draw the diagram of the Formal Software development. [2 points]

3. Mention four of the factors for successful system requirements. [2 points]

please read the text below and generate **the ER diagram for the Company problem:**

In a company the person (Name, Street, City, TelNo.) can be a customer or a worker. This Worker can be A Director, Secretary, or a Technician.

Best of Lucks