



First Question

No Of Branches (2)5 Marks

1. Put (√) or (X) for each of the following statements: (2.5 marks)

- 1. Bespoke software is developed to be sold to a range of different customers. ()
- 2. Survivability means that the system can be repaired in the event of a failure.()
- 3. For critical systems, it is usually the case that the most important system property is the dependability of the system. ()
- 4. Faults do not necessarily result in system errors. ()
- 5. Removing 20% of the faults in a system will improve the reliability by 20%. ()

2. Define the following: (2.5 marks)

1. Dependability:

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2. Legacy Systems:

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3. Safety Critical Systems:

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4. Reliability:

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5. Big bang approach:

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Course Title: Software Engineering
Date : 21/ 10 / 2017
No. of Questions: 2 Questions
Time: 1 hour
Using Calculator (No)

University of Palestine

Midterm Exam
1st semester 2017/2018
Total Grade:15

Instructor Name: Eng.EmanAlajrami
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Second Question	No. Of Branches	(5)	10 Marks
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Answer the following questions:

1. What are the costs of software engineering?

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2. What are the the main steps of the system design process?

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3. What is the relation between performance and dependability? What is the reason for that relation?

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4. Why Incremental Integration is preferred for system integration?

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5. Give an example for a critical system and explain what is the most critical dependability property and why?

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GOOD LUCK