

THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
B.Sc. DEGREE PROGRAMME 2012/2013
NO BOOK TEST 02
CPU3147: SOFTWARE QUALITY ASSURANCE
DURATION: ONE AND HALF HOURS ONLY (1.5 HOURS)



Date: 02nd April, 2013

Time: 04.00 pm to 05.30 pm

Answer ALL Questions.

Q1).

I. Discuss the following terms which are related to the '*Cost of Quality*'.

- Prevention cost
- Appraisal cost
- Failure cost

II.

- What is *Software Quality Control*?
- Explain the difference between '*Software Quality Assurance*' and '*Software Quality Control*'?

III. Explain the importance of the *early test design*.

Q2).

I. List down the expected result for the following test cases by analyzing the decision table given below.

	Rule 1	Rule 2	Rule 3	Rule 4
Conditions				
Citybank Card Member	Yes	Yes	No	No
Type of Room	Silver	Platinum	Silver	Platinum
Actions				
Offer upgrade to Gold Luxury	Yes	No	No	No
Offer upgrade to Silver	N/A	Yes	N/A	No

- City bank card member, holding a silver room.
- Non City bank member, holding a platinum room

II. Explain the following two types of *software quality gaps*.

- a. Producer gaps
- b. Customer gaps

III. Explain the importance of the *software metrics*.

Q3).

I. A test engineer found the following defect at the test case execution.

User was able to login to the system with the incorrect username and incorrect password.

Fill the details listed below by considering the above defect.

- a. Defect Summary:
- b. Steps to Reproduce:
- c. Defect Severity:
- d. Defect Priority:

II. Explain the following status in *defect management life cycle*.

- a. Deferred
- b. Work as designed
- c. Declines
- d. Fix
- e. Reopen
- f. Closed

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