



THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
B.Sc. DEGREE PROGRAMME 2015/2016
NO BOOK TEST 02
CPU3147: SOFTWARE QUALITY ASSURANCE
DURATION: ONE HOUR ONLY (1 HOUR)

Date: 07th May, 2016

Time: 04.00pm to 05.00pm

Answer **ALL** Questions.

Q1).

a)

- I. Explain the defect management life cycle in software testing.
- II. What is the difference between *Severity* and *Priority*?

b)

- I. Explain the importance of defect prevention in the software development process.
- II. A test manager realized that the test cases were not effective; therefore most of the submitted defects became invalid. Explain the process that is needed to avoid this type of situations in the early stages of the software development life cycle.

Q2).

a)

- I. Describe the importance of having a test plan for the software quality assurance process.
- II. Explain the following key elements of a test case,
 - Test case description
 - Expected results
 - Test steps
 - Actual result
 - Input data

b)

- I. What are the people-based testing techniques?
- II. Explain the benefits of having static testing for a software project.

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