LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – NOVEMBER 2015

CA 5805 - SOFTWARE TESTING

Date : 03/11/2015   Dept. No.   Max. : 100 Marks
Time : 09:00-12:00

PART A

Answer ALL Questions   **(10 X 2 = 20 Marks)**

1. Define a test case.
2. What is called (i) Error   (iii) Fault
3. Alpha testing is conducted at _____ site and Beta testing is conducted at _____ site
4. What is integration testing?
5. It is encapsulation which prevents a driver to access classes for testing. How to overcome this problem?
6. What is a problem in testing inheritance?
7. What is cookies testing?
8. How do we classify web application from technology perspective?
9. Define the terms: i. Technical Review   ii. Walkthrough
10. Define incident report.

PART B

Answer ALL Questions   **(5 X 8 = 40 Marks)**

11a. How loop testing is performed?

(or)

11b. What is mutation testing? Explain

12a. How integration testing is performed using Top-down integration?

(or)

12b. Explain unit testing.

13a Discuss test execution issues in object oriented methodology

(or)

13b How classes are tested using orthogonal arrays method?

14a. How a web content is tested? Explain.

(or)

14b. What are top 10 mistakes that are to be avoided in designing a website according to Jacob Nielson? Explain

15a. What is software inspection? Explain.

(or)

15b. Explain test planning.

PART C

Answer any TWO Questions   **(2 x 20 = 40 Marks)**

16a. Explain equivalence class partitioning.
16b. Write short notes on the following: i. Error guessing ii. Reliability testing.
17a. How the test cases are derived from usecases for testing object oriented software?
17b. Discuss the configuration and compatibility testing.
18a. How configuration management is used to preserve test cases and test documentation? Explain.
18b. Explain the user acceptance testing.

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