LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – NOVEMBER 2016

CA 5805 - SOFTWARE TESTING

Date: 04-11-2016   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. Define the terms: (i) Error   (ii) Failure

3. What are various types of tests that are included in System testing?

4. What is integration testing?

5. When is orthogonal array testing effective?

6. What is a problem in testing inheritance?

7. What tests are performed in website testing?

8. Name the classification of web application from technology perspective?

9. List the difference between technical review and inspection

10. What is Test Summary Report?.

PART B

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

11 a. Explain Boundary value analysis.

(or)

11 b .What is control flow testing? Explain

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

(or)

12 b. Explain unit testing.

13 a How the inheritance of a class is tested? Explain.

(or)

13 b How are classes tested using orthogonal arrays method?

14 a. How is web content tested? Explain.

(or)

14 b. What are the top 10 mistakes that are to be avoided in designing a website according

   to Jacob Nielson? Explain

15 a. Explain software inspection in detail.

(or)

15 b. How is quality cost computed? Explain.

PART C

16 a. Explain equivalence class partitioning.

16 b. Write short notes on data flow testing.

17 a. How are test cases derived from Usecases while testing object oriented software?

17 b. Write a note on website security testing.

18 a. How is configuration management used to preserve test cases and test

   documentation? Explain.

18 b. Explain the roles and responsibilities in conducting formal technical review.

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