



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS**

**FIFTH SEMESTER – APRIL 2016**

**CA 5805 - SOFTWARE TESTING**

Date: 26-04-2016  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART A**

**Answer ALL Questions**

**(10 X 2 = 20 Marks)**

1. Define software testing.
2. What is black box testing?
3. What are various levels of testing?
4. Order the following testing from weakest to strongest:  
Decision / condition test, statement test , condition test
5. When orthogonal array testing is effective?
6. What is the method to derive test cases from use cases?
7. What tests are included in website testing?
8. What do we test in web application form?
9. Define test log.
10. When is the automated testing tool not required?

**PART B**

**Answer ALL Questions**

**(5 X 8 = 40 Marks)**

- 11 a. Describe the quality attributes of software.  
(or)  
b. Explain boundary value analysis.
- 12 a. Explain unit testing.  
(or)  
b. What is path testing? Explain.
- 13 a. How system testing is performed on object oriented software?  
(or)  
b. How the inheritance of a class is tested?
- 14 a. Explain navigation testing.  
(or)  
b. What do you mean by website performance testing? Explain
- 15 a. Write short notes on Software Quality Assurance.  
(or)  
b. Explain IEEE specification for various test documentation

**PART C**

**Answer any TWO Questions**

**(2 x 20 = 40 Marks)**

- 16a. Discuss the software testing principles.  
b. Write a note on the following:  
i. Stress testing                      ii. Security testing.
- 17a. How classes are tested using arrays methods? Explain.  
b. Write a note on website security testing.
- 18a. Explain in detail test automation.  
b. What is database testing? Explain.

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