



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – APRIL 2018

CA 5805- SOFTWARE TESTING

Date: 17-04-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL questions

10 X 2 = 20

1. Define test case.
2. What is mutation testing?
3. List the levels of testing.
4. What area Alpha, Beta testing?
5. List the options of evaluation.
6. Define the sections of use-case.
7. What is reliability and availability of web application?
8. List the key issues of database testing.
9. What is requirement traceability matrix?
10. Define test automation.

PART – B

Answer ALL questions

5 X 8 = 40

11. a) Write notes on equivalence partitioning.
Or
b) Discuss on black-box testing design approach.
12. a) Write notes on Unit testing.
Or
b) Elucidate integration testing with example.
13. a) Write note on steps used to prepare test document.
Or
b) Describe the methods of managing tests.
14. a) Elucidate on testing performance of a system.
Or
b) Write note on post implementation testing strategies.
15. a) Illustrate on the analyzing of risk.
Or
b) Describe the environment of software testing.

PART – C

Answer any TWO questions

2 X 20 =40

16. a) List and explain software testing principles.
b) Explain the types of system testing.
17. a) Discuss on outline approach with example.
b) Explain the functional and usability issues of testing web application.
18. a) Discuss on the development of infrastructure and environment of software..
b) Explain the quality standards of ISO 9001.

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