LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – **NOVEMBER 2019**

17PCA5MC05 – SOFTWARE TESTING

Date: 04-11-2019   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

PART – A

Answer ALL questions   10 X 2 = 20

1. List the attributes of software quality.

2. Define Mutation testing.

3. What is Test Harness?

4. Define Regression testing.

5. What is Grey box testing?

6. Define compatibility testing of website.

7. Where digital assurance testing is carried out?

8. What is multi platform support?

9. List the context of TMM.

10. Give the types of test metrics.

PART – B

Answer ALL questions   5 X 8 = 40

11. a) Write note on difficulties and challenges of testers.
    Or
    b) Describe on various white box test design approaches.

12. a) Illustrate Unit testing methodologies with example.
    Or
    b) Define integration testing goals. Write about its design, procedure and functions.

13. a) List and explain the components to be tested in a webpage.
    Or
    b) Elucidate on the types of bugs and their source in web applications.

14. a) Write note on mobile operating systems.
    Or
    b) Describe various mobile testing tools.

15. a) Write about Testing Maturity Model.
    Or
    b) Describe on various usability tests.

PART – C

16. a) Elaborate equivalence class partitioning and boundary value analysis with example.

    b) Discuss about various types of system testing.

17. a) Explain various white box testing procedures of website testing.

    b) What are DevOps? Explain its adaptation in mobile application development..

18. a) Explain features of various testing tools.

    b) Elaborate on sever types of system testing.

$$$$$$$$$$$$$$$$$$$$$$$$$$