SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
M.Sc. - END SEMESTER EXAMINATIONS NOVEMBER - 2022
SEMESTER - III
20PCSCT3009 - Software Testing

Total Duration : 2 Hrs 30 Mins.   **Total Marks : 60**

Section A

Answer any **SIX** questions $(6 \times 5 = 30$ Marks$)$

1. List the fundamental principles of testing.

2. Differentiate between quality assurance and quality control.

3. Classify the testing of white box.

4. How to do black box testing?

5. List out the types of performance testing.

6. Examine a situation where you will execute accessibility testing.

7. Discuss in detail about various skills needed for test specialist.

8. What is software Test metrics ? Give some examples.

Section B

Part A

Answer any **TWO** questions $(2 \times 10 = 20$ Marks$)$

9. Illustrate the phases of software project with example.

10. Write a simple matrix multiplication program and try to take care of as many valid and invalid conditions as possible. Identify what test data would you use for testing program. Justify your answer.

11. What is regression testing? How to do regression testing with different test cases?

12. Explain in detail about test planning process with examples.

Part B

Compulsory question $(1 \times 10 = 10$ Marks$)$

13. What are the key benefits in using metrics in product development and testing? What are the steps involved in a metrics program? Briefly explain each step.

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