Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot

Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION APRIL -2019

Bachelor of Computer Application / B.Sc. Information Technology

16UCACC26 / 16UITCC26 – SOFTWARE TESTING AND PROJECT MANAGEMENT

Duration of Exam – 3 hrs *Semester – VI* *Max. Marks – 70*

Part A *(10X1= 10 marks)*
Answer **ALL** questions

1. Write any one LOC based metrics.

2. Write formula and Unit to calculate E (Effort).

3. Task to avoid (stop) risk is called Risk _____.

4. Write full form of CPM.

5. Test Case = [I S O] then I, S & O stands for _____.

6. Write Formula of Cyclomatic complexity.

7. In which testing techniques software actually used by User?

8. What is the objective of integration testing?

9. What is Non Functional Testing?

10. Write name of any performance testing tool.

Part B *(5X5= 25 marks)*
Answer **ALL** questions

11a. Discuss common causes for Project Failure.

OR

11b. Discuss Project size as a risk factor.

12a. Draw chart of Risk Referent Level and explain.

OR

12b. Explain Principal "Divide and Conquer" and "KISS" rule in context of Project management.

13a. Explain Dynamic Testing.

OR

13b. Explain Equivalent class partitioning and Boundary Value Analysis.

14a. Write Short note on White Box Testing Techniques.

OR

14b. What is Integration Testing? Explain Mixed and Big Bang Approach of Integration Testing.

15a. What is Regression Testing? Why it is necessary?

OR

15b. Why we should use testing tool? How it helps in Regression testing.

16a.   Write short note on Decomposition Techniques
OR
16b.   Explain Constructive Cost Model.

17a.   Explain Time Box Techniques.
OR
17b.   Explain Principles of Project management, Project management life cycle.

18a.   Design Test Case systematically for:
        i) Shopping cart process (Add Item)   ii) Shopping cart process (Delete Item)
OR
18b.   Write short note on Control Structure Testing.

19a.   Explain Dynamic Unit Testing with necessary diagram.
OR
19b.   Write short note on System Testing.

20a.   Compare and Contrast Manual and Automated Testing.
OR
20b.   Write short note on selenium.

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