BCACAC 383

Choice Based Credit System Sixth Semester B.C.A. Degree Examination, September 2022
(2021-2022 Batch Onwards)
SOFTWARE TESTING

Time : 3 Hours   Max. Marks : 80

Note : Answer **any ten** questions from Part – **A** and **one full** question from **each** Unit in Part – **B**.

PART – A   (10×2=20)

1. a) What is Software Testing ?
   b) Define Defect, Error and Mistake in software.
   c) List the methods for Verifications.
   d) What is Big Bang Testing ?
   e) What is an acceptance Plan ?
   f) List the various testing stages.
   g) Define Graphical User Interface Testing.
   h) Define Documentation Testing.
   i) Differentiate Static and Dynamic Testing Tools.
   j) Define Test Policy.
   k) What is Test Log Document ?
   l) Differentiate External and Internal Test standards.

PART – B

Unit – I

2. a) Explain the important features of Testing.

   b) Explain the different levels of validation.

   c) Explain Verification Work Bench.   (5+5+5)

3. a) What are the challenges faced by testers ?

   b) Describe the process of inspection.

   c) Briefly explain the Testing Process. **(5+5+5)**

Unit – II

4. a) Explain various characteristics of Requirement Testing.

   b) Describe alpha testing. What are its advantages and disadvantages ?

   c) Describe customer responsibilities during acceptance testing. **(5+5+5)**

5. a) Describe code review and unit testing process.

   b) Describe Beta testing. What are its advantages and disadvantages ?

   c) Describe bottom-up approach for integration. **(6+5+4)**

Unit – III

6. a) Explain Procurement of COTS.

   b) Explain Recovery Testing.

   c) Mention the guidelines for selecting a Testing Tool. **(6+5+4)**

7. a) Write a note on Security Testing.

   b) Explain the Installation Testing.

   c) Mention the difficulties faced while introducing New Tools. **(5+6+4)**

Unit – IV

8. a) Briefly explain the guidelines for Developing the Test Plan.

   b) Explain Different Test Reports.

   c) Explain the categories of Testing Related Data. **(6+4+5)**

9. a) Briefly explain the characteristics of Good Test Scenario.

   b) Explain Estimated, Budgeted, Approved and Actual Efforts.

   c) Write a note on Bench Marking. **(6+4+5)**

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