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**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)

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- 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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