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BCMCAE 382

**Choice Based Credit System Sixth Semester B.Com. Degree
Examination, September 2022
(2021-22 Batch Onwards)
COMPUTER APPLICATIONS (Vocational)
E1 : Software Testing**

Time : 3 Hours

Max. Marks : 80

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

PART – A

1. Answer **any ten** of the following : **(10×2=20)**
- a) What is Software Testing ?
 - b) Define Defect, Error and Mistake in Software.
 - c) What is Black Box Testing and White Box Testing ?
 - d) Define Performance Testing.
 - e) What is software verification and validation ?
 - f) What is Unit Testing ?
 - g) Define Graphical User Interface Testing.
 - h) What is module testing ?
 - i) Define Parallel Testing.
 - j) What are test reports ?
 - k) Define Metrics.
 - l) Define Test Scenario.

PART – B

Unit – I

2. a) Explain the important features of Testing. **(5+5+5)**
- b) What are the challenges faced by testers ?
 - c) Discuss the different levels of validation.

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3. a) Describe various misconceptions about Testing. **(5+5+5)**
b) Write a note on Gray Box testing.
c) Discuss the advantages and disadvantages of verification.

Unit – II

4. a) Describe code review and unit testing process. **(5+5+5)**
b) Describe difference between debugging and unit testing.
c) Describe top-down approach for integration.
5. a) Explain various characteristics of Requirement Testing. **(5+5+5)**
b) Differentiate between integration testing and interface testing.
c) Why acceptance testing is done ? What are the characteristics of acceptance testing ?

Unit – III

6. a) Write a note on Regression Testing. **(5+5+5)**
b) Mention the advantages and disadvantages of using Testing Tools.
c) Explain the concept of smoke testing.
7. a) Explain Documentation Testing. **(5+5+5)**
b) Explain the concept of Partial Automation.
c) Briefly explain the concept of load testing.

Unit – IV

8. a) Write the important features of WinRunner. **(5+5+5)**
b) Explain the concept of Equivalence Class Partitioning.
c) List and explain the characteristics of Good Test Case.
9. a) Write the important features of JMeter. **(5+5+5)**
b) Mention the common mistakes in writing Test Cases.
c) Explain the concept of Boundary Value Analysis.
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