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VI Semester B.C.A. Degree Examination, June/July - 2025**COMPUTER APPLICATIONS****Software Testing****(NEP F+R Scheme)****Time : 2½ Hours****Maximum Marks : 60****Instructions to Candidates:**

Answer all the Sections.

SECTION - A**I. Answer any Four questions. Each question carries Two marks. (4×2=8)**

1. Define du-path and dc-path.
2. What is Decision Table Based Testing?
3. Expand the terms -
 - a) ECT
 - b) TDD
4. What is Client - Server Testing?
5. Explain Craftsmanship in Software Testing?
6. What is a Thread in System Testing?

SECTION - B**II. Answer any Four questions. Each question carries Five marks. (4×5=20)**

7. Explain the process of Testing based on Models.
8. Differentiate between Weak Robust Vs. Strong Robust equivalence Class Testing?
9. What is Boundary Value testing? Explain the importance of Boundary value Testing.
10. Explain Equivalence Class Test Cases for Triangle Problem.
11. What is Decision Table? Explain the characteristics of Decision table.
12. Explain the objectives of Thread.

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SECTION - C

III. Answer any Four questions. Each question carries Eight marks.

(4×8=32)

13. a) Explain the components of Test Case.
b) Explain the features and importance of Integration Testing.
14. Explain Normal Boundary Value Testing (NBVT) with an example.
15. a) Write the Goals and objectives of Software Testing.
b) How Path Based integration Testing Works?
16. Explain levels of testing in different Life Cycle Models.
17. a) Explain the advantages and disadvantages of TDD (Test Driven Development).
b) How pairwise Integration Testing Works?
18. a) Discuss the basic concepts for requirements specification in System Testing.
b) Explain the types of Threads in System Testing.
