



NP – 441

VI Semester B.C.A. Examination, July/August 2024

(NEP Scheme)

COMPUTER SCIENCE

CAE2 : b) Software Testing (Elective – II)

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all the Parts.

PART – A

I. Answer any four questions from the following. Each carries two marks. (4×2=8)

- 1) Define Testing, Test case.
- 2) What is error, fault, failure ?
- 3) What is Boundary Value Analysis (BVA) ?
- 4) Define Slicing. List out its types.
- 5) What is System Testing ?
- 6) What is model-Based-Testing ?

PART – B

II. Answer any four questions. Each question carries five marks. (4×5=20)

- 7) With diagram explain STLC. (S/w Test Life Cycle).
- 8) Write a note on SATM. [Simple Automatic Teller Machine].
- 9) What is decision table ? Construct a decision table for triangle problem.
- 10) State the differences between Black-Box and White-Box Testing (BBT & WBT).
- 11) Explain structural strategies for thread Testing.
- 12) Write a note on GUI. (Graphical User Interface) testing in detail.

P.T.O.



PART – C

III. Answer **any four** questions. **Each** question carries **eight** marks. **(4×8=32)**

- 13) Explain commission problem with all its possible conditions.
- 14) Explain Next-date function with all possible test-cases.
- 15) a) Write a note on top-down and Bottom-up integration testing. **4**
b) Describe Client-Server testing. **4**
- 16) Explain different levels of Object Oriented testing.
- 17) a) What is meant by Exploratory testing ? Explain with example. **4**
b) What is the significance of Model Based Testing ? **4**
- 18) Explain TDD (Test-Driven-Development) with an example.