

B.C.A. (Part-III) Semester-VI Examination

SOFTWARE TESTING

Paper—6ST4

Time—Three Hours]

[Maximum Marks—60

- Note :-** (1) Assume suitable data wherever necessary.
(2) Illustrate your answers with the help of neat sketches wherever necessary.

1. (a) Discuss the attributes associated with software quality. 3
(b) What is verification ? Explain in brief : 3
(c) (i) Validation
(ii) Quality Assurance. 6

OR

2. (a) List out the phases involved in the life cycle model. 6
(b) What are the differences between verification and validation ? 6
3. (a) Explain Static Testing by Humans. 6
(b) What is Black Box Testing ? 6

OR

4. (a) Define structural testing and explain code coverage testing. 6
(b) Explain positive and negative testing with example. 6

5. (a) Write short notes on :
(i) Beta testing
(ii) Stress testing. 6
(b) Explain Bi-directional integration and system integration. 6

OR

6. (a) What is the need of system testing ? 6
(b) Define Integration Testing and explain any two types of integration testing. 6
7. (a) What is Acceptance test ? Explain. 6
(b) Explain collecting requirements in acceptance testing. 6

OR

8. (a) Explain the following :
(i) Performance Testing
(ii) Performance Benchmarking. 6
(b) Write down the acceptance criteria in acceptance testing. 6
9. (a) Explain the following :
(i) Test plan
(ii) Test summary report. 6
(b) Define Regression Testing and its types. 6

OR

- 10 (a) Explain the criteria for selecting the test cases in Regression Testing. 6
(b) Explain Risk Management in Software Testing. 6