

B.C.A Part-III Semester-VI Examination
SOFTWARE TESTING
Paper-6ST4

Time : Three Hours]

[Maximum Marks : 60

Note :— (i) Assume suitable data wherever necessary.

(ii) All questions carry equal marks.

1. (a) Explain testing, validation and verification process with respect to software development. 6
- (b) Explain different phases of software development. 6

OR

2. (a) Explain software quality assurance and quality control. 6
- (b) Explain context of testing in producing software. 6
3. (a) Explain static testing and explain static analysis tools. 6
- (b) What is white box testing? Explain in detail. Also specify the challenges in white box testing. 6

OR

4. (a) Explain code complexity testing. 6
- (b) Explain with example code coverage testing. 6
5. (a) Explain functional system testing in detail. 6
- (b) Explain structural testing with example. 6

OR

6. (a) Explain system integration and top-down integration. 6
- (b) Explain Beta testing in detail. 6
7. (a) Explain acceptance testing and its different acceptance criteria. 6
- (b) Explain the following :- 6
- (i) Methodology for performance criteria.
- (ii) Factors governing performance testing. 6

OR

8. (a) Explain : 6
- (i) Selecting test cases for acceptance testing.
- (ii) Executing acceptance tests. 6
- (b) Explain performance testing in detail. 6
9. (a) What is regression testing? Explain different types of regression testing. 6
- (b) What is test planning? Explain w.r.t. management and execution. 6

OR

10. (a) Explain test case specification. How to develop and execute test cases? 6
- (b) State and explain criteria for selecting test cases. Also explain classification for test cases. 6

