

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

Time : Three Hours]

[Maximum Marks : 60

Note :— (1) All questions are compulsory and carry equal marks.

(2) Illustrate your answers with well labelled diagrams.

(3) Assume suitable data wherever necessary.

1. (a) What is Testing ? What are the fundamental principles of testing ? 6
- (b) Explain the following terms :
 - (i) Verification
 - (ii) Validation
 - (iii) Testing. 6

OR

2. (p) What are the phases of software project ? Explain. 6
- (q) Differentiate quality assurance from quality control. 6
3. (a) What is static testing ? Explain static testing by Humans. 6
- (b) Explain Positive and Negative Testing. 6

OR

4. (p) What is Black Box Testing ? Explain its need. 6
- (q) Explain code complexity testing. 6
5. (a) State the guidelines that help in improving interoperability. 6
- (b) Explain Top-Down Integration Testing. 6

OR

6. (p) Explain Interoperability Testing. 6
- (q) What is system testing ? Explain the need of system testing. 6
7. (a) List the guidelines while selecting test cases for Acceptance Testing. 6
- (b) Explain the methodology for performance testing. 6

OR

8. (p) What is Acceptance Testing ? Explain Acceptance criteria. 6
- (q) Explain Execution of Acceptance Tests. 6
9. (a) Explain the term "Scope Management" in test planning. 6
- (b) Explain methodology for selecting test cases in Regression Testing. 6

OR

10. (p) What are the criteria for selecting the test cases in Regression Testing ? 6
- (q) What are the Internal standards formulated by testing organisation, in Test Management ? 6

