

AS-1526

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) Explain the phases of Software Project. 6
- (b) What is Testing ? Explain. 6

OR

2. (a) Explain in brief Quality Assurance and Quality Control. 6
 - (b) (i) Verification
 - (ii) Validation. 6
3. (a) Explain Static Analysis Tools in White Box testing. 6
 - (b) Explain the positive and negative testing with example. 6

OR

4. (a) Explain the requirement based testing in Black Box Testing. 6
 - (b) Explain the terms :
 - (i) Structural Testing
 - (ii) Function Code Coverage. 6
5. (a) Explain Bi-Directional Integration and System Integration. 6
 - (b) Explain in brief System and Acceptance Testing. 6

OR

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(Contd.)

6. (a) Explain in detail System Testing Overview : 6
(b) Write short notes on :
(i) Functional System Testing
(ii) Non-Functional System Testing. 6
7. (a) What is Acceptance Test ? Explain. 6
(b) Explain the following :
(i) Performance Testing
(ii) Performance Bench Marking. 6

OR

8. (a) Explain collecting requirements in acceptance testing. 6
(b) Write short notes on :
(i) Acceptance Criteria
(ii) Selecting Test Cases. 6
9. (a) What are the methodologies for Selecting Test Case ? Explain. 6
(b) Explain the following :
(i) Test Planning
(ii) Preparing a Test Plan. 6

OR

10. (a) Explain Developing and Executing Test Cases. 6
(b) What is Regression Testing ? Explain its types. 6