

B.C.A. (Part-III) Semester-VI Examination
SOFTWARE TESTING
Paper-6 ST 4

Time : Three Hours]

[Maximum Marks : 60

N.B. : (1) All questions are compulsory.

(2) All questions carry equal marks.

(3) Illustrate your answer with suitable data wherever necessary.

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| 1. | (a) Explain the concept of software verification and validation. | 6 |
| | (b) Differentiate between quality assurance and quality control. | 6 |

OR

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| 2. | (a) Explain the context of testing in producing software. | 6 |
| | (b) Explain phases of software project development. | 6 |
| 3. | (a) Explain code complexity testing with suitable example. | 6 |
| | (b) Explain Black Box Testing with suitable example. | 6 |

OR

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| 4. | (a) Explain positive and negative testing. | 6 |
| | (b) Explain the requirement based testing in white box testing. | 6 |
| 5. | (a) Explain : | |
| | (i) Beta testing | |
| | (ii) Stress testing. | 6 |
| | (b) Explain Bi-Directional integration and System integration. | 6 |

OR

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| 6. | (a) Explain in brief System and Acceptance Testing. | 6 |
| | (b) Explain : | |
| | (i) Functional system testing | |
| | (ii) Non-functional system testing. | 6 |

7. (a) Explain Software Acceptance Testing based on different acceptance criteria. 6
(b) What is Performance Testing ? Enlist the steps involved in performance testing. 6

OR

8. (a) Explain the factors governing by Performance Testing 6
(b) Differentiate between Acceptance Testing and Performance Testing 6
9. (a) What do you mean by Regression Testing ? 6
(b) Explain :
(i) Criteria for selecting test cases
(ii) Methodology for selecting test cases. 6

OR

10. (a) Explain :
(i) Test planning
(ii) Test summary report. 6
(b) Explain developing and executing test cases with suitable example. 6