

This question paper contains 2 printed pages]

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S. No. of Question Paper : 221

Unique Paper Code : 234551

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Name of the Paper : Software Testing—CA-3A

Name of the Course : B.A. (Prog.) Computer Application

Semester : V

Duration : 3 Hours

Maximum Marks : 45

(Write your Roll No. on the top immediately on receipt of this question paper.)

Section A is compulsory.

Attempt any *three* questions from Section B.

Each question carries 10 marks.

### Section A

1. All questions are compulsory and carries equal weightage of 3 marks.

- (a) In any Institution "Library Management System" is installed. Name the Software Process Model which may be used for the same. 3
- (b) State the difference between error and defect. 3
- (c) Under what situations stress testing is used ? 3
- (d) Explain the terms Testing Measure, Metrics and Indicators. 3
- (e) Differentiate between Verification and Validation Testing. 3

### Section B

Attempt any *three* of the following. Each question carries equal marks.

2. (a) Differentiate between Throw Away Prototyping and Evolutionary Model. 5
- (b) Explain RAID Software Process Model. State the advantages and disadvantages of the same. 5

P.T.O.

3. (a) Explain Testing Maturity Model and Various Testing Maturity Model (TMM) Levels. 5  
(b) What are the various principles of Test Case Designing. 5
4. (a) Explain the Block Box Testing and White Box Testing. Differentiate between both. 5  
(b) Differentiate between Alpha Testing and Beta Testing. 5
5. (a) Explain the various test goal plans. 5  
(b) Explain the recovery testing and security testing. 5
6. Write short notes on any *two* of the following : 2×5=10
  - (a) Software Process Model
  - (b) Software Test Automation
  - (c) Software Testing Tools.