

17624

11920

3 Hours / 100 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following :

5 × 4 = 20

- (a) State any two advantages and disadvantages of 'V' model.
- (b) Explain the difference between walkthrough and inspection.
- (c) Describe SDLC in software testing.
- (d) State how to minimize risk impact while estimating defect.
- (e) What are the benefits of automation ?
- (f) State the different errors found in static testing.
- (g) Explain the concept of stub and driver.

2. Attempt any FOUR of the following :**4 × 4 = 16**

- (a) What is meaning of “test to pass” and “test to fail” ? Give example.
- (b) Explain stress testing with reference to “MSBTE” website testing.
- (c) Explain branch coverage with proper example.
- (d) List any four advantages of acceptance test before launching of any software.
- (e) Explain test deliverables in detail.
- (f) Explain different techniques to find defects.

3. Attempt any FOUR of the following :**4 × 4 = 16**

- (a) Differentiate between GUI and Usability testing.
- (b) Explain boundary condition and sub-boundary condition with example.
- (c) What are different causes of software defects ?
- (d) Explain equivalence partitioning with example.
- (e) What are the objectives of software testing ?
- (f) What are metrics ? Explain any one in detail.

4. Attempt any TWO of the following :**2 × 8 = 16**

- (a) What is test plan ? What is its need ? List test planning activities.
- (b) Explain client-server testing with suitable diagram.
- (c) Explain defect life cycle diagram and different states. Mention defect report template.

5. (A) Attempt any TWO of the following : 2 × 6 = 12

- (a) Design test cases for ATM card operations. (Any six)
- (b) Explain defect management process with diagram.
- (c) Differentiate between black box and white box testing.

(B) Attempt any ONE of the following : 1 × 4 = 4

- (a) Write test cases to test “copy and paste” operations in MS-Paint.
- (b) Describe user acceptance testing.

6. Attempt any FOUR of the following : 4 × 4 = 16

- (a) Enlist and describe skills of software tester.
 - (b) Describe Alpha and Beta testing.
 - (c) Explain Regression testing.
 - (d) What are the limitations of manual testing ?
 - (e) Enlist errors that are uncovered during black box testing.
 - (f) Explain static and dynamic testing tools.
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