23124

3 Hours / 70 Marks   Seat No. ⎕⎕⎕⎕⎕⎕⎕⎕

Instructions : (1) All Questions are *compulsory.*

(2) Illustrate your answers with neat sketches wherever necessary.

(3) Figures to the right indicate full marks.

(4) Assume suitable data, if necessary.

Marks

1. Attempt any FIVE of the following :   **10**

(a) Compare verification and validation (any 2 point).

(b) Define failure, error, fault, bug.

(c) List the objectives of software testing. (any four)

(d) Define Driver and stub.

(e) What is GUI testing ? Give one example.

(f) Write any two root causes of defect.

(g) Enlist any four software testing tools.

2. Attempt any THREE of the following :   **12**

(a) State the Entry and Exit criteria's for the software testing.

(b) Illustrate process of bi-directional integration testing. State its two advantages & disadvantages.

(c) Enlist any four attributes of defect. Describe them with suitable example.

(d) Describe any four factors for selecting a testing tools.

3. **Attempt any THREE of the following :** 12

   (a) Differentiate between alpha testing and beta testing. (any four points)

   (b) Prepare test plan for Notepad application. (Windows based)

   (c) Explain defect management process with suitable diagram.

   (d) State & explain any four benefits of automation in testing.

4. **Attempt any THREE of the following :** 12

   (a) What is boundary value analysis ? Explain with suitable example.

   (b) Explain the Regression testing. State when the Regression testing shall be done.

   (c) What is test plan ? What is its need ? List test planning activities.

   (d) Prepare defect report for login field of email application.

   (e) State any four limitations of manual testing.

5. **Attempt any TWO of the following :** 12

   (a) Describe V-model with labelled diagram.

   (b) Describe with one example each :

       (i) Load testing

       (ii) Stress testing

   (c) Prepare six test cases for marketing site www.flipkart.com.

6. **Attempt any TWO of the following :** 12

   (a) Explain client-server testing with suitable diagram.

   (b) Write important six test cases for the 'Login Form' of the Facebook website.

   (c) Describe defect life cycle with neat diagram.

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