22518

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:**   **10**

a) Define static and dynamic testing.

b) State any two example of integration testing.

c) Enlist any two activities involved in test planning.

d) Enlist objectives of software testing.

e) Define Defect

f) State any four advantages of using tools.

g) Define Bug, Error, Fault and Failure.

Marks

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

   a) Describe Boundry value analysis with suitable example.

   b) Differentiate between drivers and stub (any four points)

   c) State the contents of 'Test Summary Reports' used in test reporting

   d) State any eight limitations of manual testing

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

   a) Describe the use of decision table in black box testing with the help of suitable example

   b) Describe standards included in Test Management.

   c) Enlist different techniques for finding defects and describe any one technique with an example.

   d) Enlist factors considered for selecting a testing tool for test automation.

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

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

   b) Describe test infracture management

   c) Describe the process of preparing summary report in test planning

   d) Describe object oriented metrics in testing.

   e) State the testing approaches that are considered during client-server testing.

Marks

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

   a) Design test cases for railway reservation system.

   b) With respect to GUI testing write the test cases for Amazon login form

   c) Elaborate the term metrics and measurement and write the need of software measurement.

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

   a) Design test cases for hostel admission form of your institute.

   b) Design a test plan along with the test cases for edit function in notepad.

   c) Draw a diagram for defect life cycle and write example for defect template.

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