22518

22223

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.

(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

(6) Write the answers in sequential order.

Marks

1. Attempt any FIVE of the following: 10

a) Write two differences between quality assurance and quality control.

b) Define test plan with two advantages.

c) Enlist any two advantages of acceptance testing.

d) Write steps to prepare test test cases.

e) State any four attributes of defect.

f) State any two difference between manual and automated testing.

g) Define following terms

   i) Defect

   ii) Bug

Marks

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

a) Describe any four skills of software tester.

b) Describe the concept of driver and stub with suitable example.

c) Describe the factors considered to decide test approach.

d) Describe any four limitations of manual testing.

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

a) List types of white box testing. Describe any two types of white box testing with neat diagram.

b) Describe the 'Test Infrastructure' components with neat diagram.

c) Describe detect management process with neat diagram.

d) Differentiate between static and dynamic testing tools. (any four points).

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

a) Describe the types of integration testing with neat diagram.

b) Explain the testing approaches that are considered during web application testing.

c) Describe test management with test people management.

d) Describe the criterias to select testing tools.

e) Describe the regression testing. State entry and exit criteria for regression testing.

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

a) Design test cases for hostel admission form.

b) Write test cases for facebook login form with respect to graphical user interlac (GUI) testing.

c) Define metrics and measurements. Describe three types of metrics.

Marks

6. **Attempt any <u>TWO</u> of the following:** **12**

   a) Design test cases for online railway reservation applications.

   b) Prepare a test plan along with the test cases for the MS Excel option "Save AS".

   c) Design test cases for online shopping website flipkart and prepare defect report of it.

————