

Scheme- I

Sample Question Paper

Program Name : Diploma in Computer Engineering Group

Program Code : CO / CM /CW

Semester : Fifth

Course Title : Software Testing

Marks : 70

22518

Time: 3 Hrs.

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1) Attempt any FIVE of the following. **10 Marks**

- a) Define software Quality Assurance and software Quality Control.
- b) State any two example of Security testing.
- c) Enlist any four the benefits of Test Plan.
- d) State any four basic principles of writing good test cases.
- e) Enlist different types of defect classification.
- f) Write any four limitations of Manual Testing.
- g) Define following terms-Failure, Error, Defect and Bug.

Q.2) Attempt any THREE of the following. **12 Marks**

- a) Describe the roles and responsibilities of a Test Leader.
- b) Differentiate between Drivers and Stub (any four points).
- c) Describe different types of attributes of a Test Plan.
- d) State the Advantages and Disadvantages of using testing tools.

Q.3) Attempt any THREE of the following. **12 Marks**

- a) State process of Black box testing with labeled diagram? List any four techniques of black box testing.
- b) Describe the Test Case Specification and list its parameters.
- c) Draw Defect Management Process. State the working of each phase.

- d) State any four points of comparison between Static analysis tools and Dynamic analysis tools.

- Q.4) Attempt any THREE of the following. 12 Marks**
- a) **Describe the Integration Testing.**
 - b) **State the testing approaches that are considered during Client- Server Testing.**
 - c) **Explain the Test Management with Test Infrastructure management and Test People Management.**
 - d) Enlist and describe criteria for Selecting Testing Tools with its description.
 - e) Explain following concepts related to Web Application :
 - (1) Load testing
 - (2) Stress testing.

- Q.5) Attempt any TWO of the following. 12 Marks**
- a) **Design test cases for the data filed from Admission form of your institute
(Data filed are Name, SSC percentage, Adhar no, Address, mobile no)**
 - b) With respect to GUI testing write the test cases for Amazon login form.
 - c) Elaborate the concept of Software Metrics? Describe Product and Process metrics with suitable example.

- Q.6) Attempt any TWO of the following. 12 Marks**
- a) Design test cases for MSBTE Online Exam form filling.(any valid six test cases)
 - b) Prepare a Test Plan along with the Test Cases for the MS Word option ‘Save As’. Test Cases should be at least six.
 - c) Design any three test cases for railway reservation form and prepare defect report of it.

Scheme- I

Sample Test Paper - I

Program Name : Diploma in Computer Engineering Group

Program Code : CO / CM /CW

Semester : Fifth

Course Title : Software Testing

Marks : 20

22518

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

08 Marks

- a) List the objectives of software testing.
- b) Design any four boundary value test cases for textbox which accept numbers from 1-999.
- c) Define Static testing and Dynamic testing.
- d) Describe the need of stub and driver in Unit testing?
- e) Define Load testing and Stress testing.
- f) Define Unit Testing?

Q.2 Attempt any THREE.

12 Marks

- a) Differentiate between Verification and Validation.
- b) Apply equivalence partitioning on application which display result on basis of percentage obtained in exam.
- c) Explain Top Down integration testing.
- d) With respect to GUI testing, write any four test cases for Flipchart login form.
- e) Explain need of Regression Testing.

Scheme- I

Sample Test Paper - II

Program Name : Diploma in Computer Engineering Group

Program Code : CO / CM /CW

Semester : Fifth

Course Title : Software Testing

Marks : 20

22518

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

08 Marks

- a) Define Test Plan?
- b) List basic steps of Fundamental test Process.
- c) Enlist different types of defect classification.
- d) State five general activities of defect prevention.
- e) List the benefits of automation testing.
- f) Define software matrix and measurement.

Q.2 Attempt any THREE.

12 Marks

- a) Prepare test plan along with test cases for notepad option copy-paste.
- b) Design any four Test cases for User Login Form.
- c) Design any two test cases for simple calculator application and prepare defect report.
- d) Differentiate between manual testing & automation testing.
- e) Enlist factors considered for selecting a testing tool for test automation.