

**SUBJECT CODE: 604**

**SUBJECT NAME: SOFTWARE TESTING**

## **Unit 1 : Software Testing**

### **Multiple Choice Questions**

1. A set of activities that ensure that software correctly implements a specific function.  
A verification  
B) testing  
C) implementation  
D) validation
2. Locating or identifying the bugs is known as \_\_\_\_\_  
A Design  
B) Testing  
C) Debugging  
D) Coding
3. A testing strategy that test the application as a whole.  
A Requirement Gathering  
B) Verification testing  
C) Validation testing  
D) System testing
4. A testing strategy that tests the application in the context of an entire system.  
A System  
B) Validation  
C) Unit  
D) Gray box

5. A testing conducted at the developer's site under validation testing.
- A) alpha
  - B) gamma
  - C) lambda
  - D) unit
6. A \_\_\_\_\_ is tested to ensure that information properly flows into and out of the system.
- A) module interface
  - B) local data structure
  - C) boundary conditions
  - D) paths
7. Validation is computer baseD)
- A) True
  - B) False
8. Bug is the same name of \_\_\_\_\_
- A) Error
  - B) Incident
  - C) Mistake
  - D) Defect
9. A tester is executing a test to evaluate and it complies with the user requirement for a certain field be populated by using a dropdown box containing a list of values, at that time tester is performing \_\_\_\_\_ .
- A) White-box Testing
  - B) Black-box Testing
  - C) Load Testing
  - D) Regression Testing

10. What is SDLC stand for

- A) system develop life cycle
- B) Software development life cycle
- C) testing development life cycle
- D) none

ANSWER KEY

Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10
A	B	D	A	A	A	A	D	B	B

## Unit 2 : Approaches to Testing -I

- 1) A testing which checks the internal logic of the program is
  - A) Black box testing
  - B) White box testing
  - C) Both (A) and (B)
  - D) None of the above
  
- 2) White-Box Testing is also known as \_\_\_\_\_ .
  - A) Structural testing
  - B) Code-Based Testing
  - C) Clear box testing
  - D) All of the above
  
- 3) Which of the following comes under the Control Structure Testing?
  - A) Condition testing
  - B) Loop testing
  - C) Data Flow Testing
  - D) All of the above
  
- 4) Which of the following categories, Black-box testing attempts to find errors?
  - A) Incorrect or missing functions
  - B) Interface errors
  - C) Behavior or performance errors

D) All of the above

5) The test instantiates \_\_\_\_\_ and calls methods on these \_\_\_\_\_

- A) Objects
- B) Classes
- C) Services
- D) Subsystems

6) \_\_\_\_\_ tests examine the code at the boundary of its public API.

- A) Unit
- B) Integration
- C) Functional
- D) Loss

7) Developers often combine functional tests with \_\_\_\_\_ tests.

- A) Unit
- B) Integration
- C) Stress
- D) Loss

8) Which of the following are characteristics of incremental integration model?

1. Defects are easy to detect
2. All the modules are required to be completed before integration testing starts.
3. It is time consuming
4. Stubs and drivers are used

- A) 2,4
- B) 1,3,4
- C) 1,2,4
- D) All of the above

9) Which of the following are integration approaches?

1. Top – Down integration
- 2 Bottom -Up integration
3. Functional integration
4. Big bang integration

- A) 1,2
- B) 1,2,4
- C) 1,2,3
- D) All the above

10) The goal of integration testing is to find defects in communication between two modules rather than seeing if modules are working correctly. True or false.

- A) True
- B) false

ANSWER KEY

Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10
A	D	D	D	A	C	B	B	D	A

### Unit 3 : Testing for Specialized Environment

1) What is Functional Testing?

A) SDLC Model

B) Test Type

C) Test Design Technique

D) Test Level

2) What is Decision Table Testing?

A) Black Box Test Design Technique

B) White Box Test Design Technique

C) Gray Box Test Design Technique

D) Experience based Test Design Technique

3) What is Decision Testing?

A) Black Box Test Design Technique

B) White Box Test Design Technique

C) Gray Box Test Design Technique

D) Experience based Test Design Technique

- 4) What is Exploratory Testing?
- A) Black Box Test Design Technique
  - B) White Box Test Design Technique
  - C) Gray Box Test Design Technique
  - D) Experience based Test Design Technique

- 5) What is Sanity Testing?
- A) Test Level
  - B) Test Type
  - C) Test Design Technique
  - D) Test Execution Level

- 6) \_\_\_\_\_ is not a Test Document?
- A) Test Policy
  - B) Test Case
  - C) PIN (Project Initiation Note)
  - D) RTM (Requirements Traceability Matrix)

- 7) \_\_\_\_\_ is not a Test Type?
- A) Database Testing
  - B) Security Testing





C) Functional Testing

D) Statement Testing

8) \_\_\_\_\_ is not a Test Level?

A) System Testing

B) Acceptance Testing

C) Functional Testing

D) Integration Testing

9) \_\_\_\_\_ is not a Software Test Life Cycle Phase?

A) Requirements Gathering

B) Test Planning

C) Test Closure

D) Test Design

10) Which Test Document describes the Exit Criteria of Testing?

A) Test Case

B) Test Plan

C) Test Summary Report

D) Defect Report

ANSWER KEY

Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10
B	A	B	D	D	C	D	A	C	B



## Unit 4 : Software Testing Strategies and Software Matrices

- 1) The order in which test levels are performed is:
  - A) Unit, Integration, Acceptance, System
  - B) Unit, System, Integration, Acceptance
  - C) Unit, Integration, System, Acceptance
  - D) It depends on the nature of a project
  
- 2) System testing is a
  - A) Black box testing
  - B) Grey box testing
  - C) White box testing
  - D) Both a and b
  
- 3) What is “V” Model?
  - A) Test Design Technique
  - B) Test Type
  - C) SDLC Model
  - D) Test Level
  
- 4) Test cases are designed during which of the following stages?
  - A) Test recording
  - B) Test configuration
  - C) Test planning
  - D) Test specification
  
- 5) Which is not the other name for structural testing?
  - A) Behavioral testing
  - B) Glass box testing

- C) White box testing  
D) None of the above
- 6) The technique applied for usability testing is:
- A) White box  
B) Grey box  
C) Black box  
D) Combination of all
- 7) Which of the following is not a Test Type?
- A) Database Testing  
B) Security Testing  
C) Statement Testing  
D) Functional Testing
- 8) Static analysis can be best described as:
- A) The reviewing of test plans  
B) The analysis of batch programs  
C) The use of black box testing  
D) The analysis of program code
- 9) Exhaustive testing is:
- A) always possible  
B) impractical but possible  
C) practically possible  
D) impractical and impossible
- 10) Which is not a type of incremental testing approach?
- A) Bottom up  
B) Top down  
C) Big-bang  
D) Functional incrimination

ANSWER KEY

Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10
D	A	C	D	A	C	C	D	B	C



## Unit 5 : Specialized Testing and Testing Tools

1) Good test case has a reasonable probability of catching an error.

- A) True
- B) False

2)..... can be used to design good test cases.

- A) Equivalence Classes
- B) Parameterizing
- C) Boundary Values
- D) trimming

3) By applying ..... we minimize the redundant test cases.

- A) Equivalence Partitioning
- B) Parameterizing
- C) Boundary Values
- D) trimming

4) Generally, a test case also specifies the expected outcome from executing the SUT under the specified execution conditions and test inputs.

- A) True
- B) False

5) Devising a set of test cases that will guarantee that all errors will be detected is somewhat feasible.



- A) True
- B) False

6) We can have one or more test cases covering the requirements.

- A) True
- B) False

7)..... test cases are like a green light for the application and help to determine whether or not the application should go into production.

- A) System
- B) Acceptance
- C) Critical
- D) Performance

8) In order to write black box test cases we need the .....

- A) requirement document
- B) design
- C) project plan
- D) All of above

9)..... help you to design a series of test cases that have a high likelihood of finding errors

- A) requirement document
- B) software testing techniques
- C) project plan
- D) SRS

10) Test case design focuses on a set of techniques for the creation of test cases that meet overall testing objectives.

- A) True
- B) False

ANSWER KEY

Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10
A	A,C	A	A	B	A	B	D	B	A

