

# STQA IMP

## CAT 1 QB

1. a) What is SDLC? Describe in detail.
2. b) What is test case? Design the test case to for the scenario: "Check Login Functionality"
3. a) What are the different practices for designing good test case? Explain in detail.
8. a) What is McCabe's Cyclomatic Complexity? Compute Cyclomatic Complexity of following program code.  

```
i = 0;  
n=4; //N-Number of nodes present in the graph  
while (i<n-1) do  
j = i + 1;  
while (j<n) do  
if A[i]<A[j] then  
swap(A[i], A[j]);  
end do;  
j=j+1;  
end do;
```
8. b) Enlist any two tools for computation of Cyclomatic Complexity? How does Cyclomatic complexity is useful in software testing?
9. a) What is unit testing? Explain in detail with suitable example.
9. b) Explain in detail about advantages and disadvantages of unit testing
10. a) What is integration testing? Explain in detail with suitable example
10. b) Explain in detail about advantages and disadvantages of integration testing.

## CAT 2 QB

1. a) What is Integration test? Explain with an example
1. b) Explain Acceptance Testing.
4. a) What is a test data in software testing?
4. b) What is Test Data Generation? Why test data should be created before test execution?
5. a) What are the approaches for Test Data Generation in Software Testing.

## CAT 2 QP

2. b) Explain Regression testing with an example
3. c) What is debugging? Enlist its Testing techniques.

## Sessional QP

1. A) What is SDLC? Describe in detail.
1. B) What are the different practices for designing good test case? Explain in detail.
5. A) What is unit testing? Explain In detail with suitable example.
5. B) What is integration testing? Explain with an example.
6. A) Explain in detail about advantages and disadvantages of unit testing.
6. B) Explain In detail about acceptance testing.