**STQA IMP**

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| **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. |

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| **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. |

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| **CAT 2 QP** |
| 2. b) Explain Regression testing with an example |
| 3. c) What is debugging7 Enlist its Testing techniques. |

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| **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. |