[ISTQB Foundation Sample Question Paper No. 1](http://istqbexamcertification.com/)

**1. Deciding How much testing is enough should take into account :-**

1. *Level of Risk including Technical and Business product and project risk*
2. *Project constraints such as time and budget*
3. *Size of Testing Team*
4. *Size of the Development Team*

a) i,ii,iii are true and iv is false b) i,,iv are true and ii is false c) i,ii are true and iii,iv are false d) ii,iii,iv are true and i is false

1. **Test planning has which of the following major tasks?**
2. *Determining the scope and risks, and identifying the objectives of testing.*
3. *. Determining the test approach (techniques,test items, coverage, identifying and interfacing the teams involved in testing , testware)*
4. *i. Reviewing the Test Basis (such as requirements,architecture,design,interface)*
5. *. Determining the exit criteria.*
6. i,ii,iv are true and iii is false
7. i,,iv are true and ii is false
8. i,ii are true and iii,iv are false
9. ii,iii,iv are true and i is false
10. **Evaluating testability of the requirements and system are a part of which phase:-**
11. Test Analysis and Design
12. Test Planning and control
13. Test Implementation and execution
14. Evaluating exit criteria and reporting
15. **One of the fields on a form contains a text box which accepts alphabets in lower or upper case. Indentify the invalid Equivalance class value.**
16. CLASS
17. cLASS
18. CLass
19. CLa01ss
20. **In a system designed to work out the tax to be paid:**

**An employee has £4000 of salary tax free. The next £1500 is taxed at 10% The next £28000 is taxed at 22% Any further amount is taxed at 40% Which of these groups of numbers would fall into the same equivalence class?**

1. £4800; £14000; £28000
2. £5200; £5500; £28000
3. £28001; £32000; £35000
4. £5800; £28000; £32000
5. **Which of the following has highest level of independence in which test cases are :**
6. Designed by persons who write the software under test
7. Designed by a person from a different section
8. Designed by a person from a different organization
9. Designed by another person
10. **We use the output of the requirement analysis, the requirement specification as the input for writing :-**
11. User Acceptance Test Cases
12. Integration Level Test Cases
13. Unit Level Test Cases
14. Program specifications
15. **Validation involves which of the following**
16. *Helps to check the Quality of the Built Product*
17. *Helps to check that we have built the right product.*
18. *Helps in developing the product*
19. *Monitoring tool wastage and obsoleteness.*
20. Options i,ii,iii,iv are true.
21. ii is true and i,iii,iv are false
22. i,ii,iii are true and iv is false
23. iii is true and i,ii,iv are false.
24. **Which of the following uses Impact Analysis most?**
25. Component testing
26. Non-functional system testing
27. User acceptance testing
28. Maintenance testing

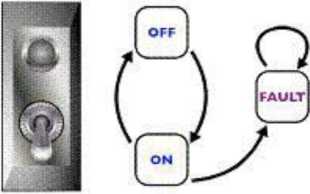


10. What is the expected result for each of the following test cases?

A. Citibank card member, holding a Silver room

B. Non Citibank-member, holding a Platinum room

1. A - Don’t offer any upgrade, B - Don’t offer any upgrade.
2. A - Don’t offer any upgrade, B - Offer upgrade to Gold.
3. A - Offer upgrade to Silver, B - Offer upgrade to Silver.
4. A - Offer upgrade to Gold, B - Don’t offer any upgrade.
5. **Repeated Testing of an already tested program, after modification, to discover any defects introduced or uncovered as a result of the changes in the software being tested or in another related or unrelated software component:**
6. Re Testing .
7. Confirmation Testing
8. Regression Testing
9. Negative Testing
10. **Impact Analysis helps to decide :-**a) How much regression testing should be done. b) Exit Criteria
11. How many more test cases need to written.
12. Different Tools to perform Regression Testing
13. **Functional system testing is:**
14. testing that the system functions with other systems
15. testing that the components that comprise the system function together
16. testing the end to end functionality of the system as a whole
17. testing the system performs functions within specified response times



1. **Consider the above state transition diagram of a switch. Which of the following represents an invalid state transition?**
2. OFF to ON
3. ON to OFF
4. FAULT to ON
5. **Peer Reviews are also called as :-**a) Inspection
6. Walkthrough
7. Technical Review
8. Formal Review
9. **Consider the following statements**:
10. *100% statement coverage guarantees 100% branch coverage.*
11. *100% branch coverage guarantees 100% statement coverage.*
12. *100% branch coverage guarantees 100% decision coverage.*
13. *100% decision coverage guarantees 100% branch coverage.*
14. *100% statement coverage guarantees 100% decision coverage.*
15. ii is True; i, iii, iv & v are False
16. i & v are True; ii, iii & iv are False
17. ii & iii are True; i, iv & v are False
18. ii, iii & iv are True; i & v are False
19. **The Kick Off phase of a formal review includes the following :-**
20. Explaining the objective
21. Fixing defects found typically done by author
22. Follow up
23. Individual Meeting preparations
24. **Match every stage of the software Development Life cycle with the Testing Life cycle:***i. Hi-level design a Unit tests*
25. *Code b Acceptance tests*
26. *Low-level design c System tests*
27. *Business requirements d Integration tests*
28. i-d , ii-a , iii-c , iv-b
29. i-c , ii-d , iii-a , iv-b
30. i-b , ii-a , iii-d , iv-c
31. i-c , ii-a , iii-d , iv-b
32. **Which of the following is not phase of the Fundamental Test Process?**a) Test Planning and

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Control

1. Test implementation and Execution
2. Requirement Analysis
3. Evaluating Exit criteria and reporting
4. **Which of the following techniques is NOT a black box technique?**
5. State transition testing
6. LCSAJ (Linear Code Sequence and Jump)
7. syntax testing
8. boundary value analysis
9. **Success Factors for a review include :**
10. *Each Review does not have a predefined objective*
11. *. Defects found are welcomed and expressed objectively*
12. *i. Management supports a good review process.*
13. *. There is an emphasis on learning and process improvement.*
14. ii,iii,iv are correct and i is incorrect
15. iii , i , iv is correct and ii is incorrect
16. i , iii , iv , ii is in correct
17. ii is correct
18. **Defects discovered by static analysis tools include :** *i. Variables that are never used.*
19. *Security vulnerabilities.*
20. *Programming Standard Violations*
21. *Uncalled functions and procedures*
22. i , ii,iii,iv is correct
23. iii ,is correct I,ii,iv are incorrect.
24. i ,ii, iii and iv are incorrect
25. iv, ii is correct
26. **Test Conditions are derived from :-**
27. Specifications
28. Test Cases
29. Test Data
30. Test Design
31. **Which of the following is true about White and Black Box Testing Technique:-**
32. Equivalance partitioning, Decision Table and Control flow are White box Testing Techniques.
33. Equivalence partitioning , Boundary Value Analysis , Data Flow are Black Box Testing Techniques.
34. Equivalence partitioning , State Transition , Use Case Testing are black box Testing Techniques.
35. Equivalence Partioning , State Transition , Use Case Testing and Decision Table are White Box Testing Techniques.
36. **Regression testing should be performed:**
37. *every week*
38. *after the software has changed*
39. *as often as possible*
40. *when the environment has changed*
41. *when the project manager says* a) i & ii are true, iii, iv & v are false b) ii, iii & iv are true, i & v are false c) ii & iv are true, i, iii & v are false d) ii is true, i, iii, iv & v are false
42. **Benefits of Independent Testing**
43. Independent testers are much more qualified than Developers
44. Independent testers see other and different defects and are unbiased.
45. Independent Testers cannot identify defects.
46. Independent Testers can test better than developers
47. **Minimum Tests Required for Statement Coverage and Branch Coverage :-***Read P*

*Read Q*

*If p+q > 100 then*

*Print “Large”*

*End if*

*If p > 50 then*

*Print “pLarge”*

*End if*

1. Statement coverage is 2, Branch Coverage is 2
2. Statement coverage is 3 and branch coverage is 2
3. Statement coverage is 1 and branch coverage is 2
4. Statement Coverage is 4 and Branch coverage is 2
5. **Minimum Test Required for Statement Coverage :-***Disc = 0*

*Order-qty = 0*

*Read Order-qty*

*If Order-qty >=20 then*

*Disc = 0.05*

*If Order-qty >=100 then*

*Disc =0.1*

*End if*

*End if*

1. Statement coverage is 4
2. Statement coverage is 1
3. Statement coverage is 3
4. Statement Coverage is 2
5. **The structure of an incident report is covered in the Standard for Software Test Documentation IEEE 829 and is called as : -**
6. Anomaly Report
7. Defect Report
8. Test Defect Report
9. Test Incident Report
10. **Which of the following is the task of a Test Lead / Leader.**
11. *Interaction with the Test Tool Vendor to identify best ways to leverage test tool on the project.*
12. *. Write Test Summary Reports based on the information gathered during testing*
13. *i. Decide what should be automated , to what degree and how.*
14. *. Create the Test Specifications*
15. i, ii, iii is true and iv is false
16. ii,iii,iv is true and i is false
17. i is true and ii,iii,iv are false
18. iii and iv is correct and i and ii are incorrect
19. **Features of White Box Testing Technique :-***i. We use explicit knowledge of the internal workings of the item being tested to select the test data.*
20. *Uses specific knowledge of programming code to examine outputs and assumes that the tester knows the path of logic in a unit or a program.*
21. *Checking for the performance of the application*
22. *Also checks for functionality.*
23. i, ii are true and iii and iv are false
24. iii is true and i,ii, iv are false
25. ii ,iii is true and i,iv is false
26. iii and iv are true and i,ii are false
27. **Which of the following is a part of Test Closure Activities?***i. Checking which planned deliverables have been delivered*
28. *Defect report analysis.*
29. *Finalizing and archiving testware.*
30. *Analyzing lessons.*
31. i , ii , iv are true and iii is false
32. i , ii , iii are true and iv is false
33. i , iii , iv are true and ii is false
34. All of above are true
35. **Which of the following will be the best definition for Testing :-**a) The goal / purpose of testing is to demonstrate that the program works.
36. The purpose of testing is to demonstrate that the program is defect free.
37. The purpose of testing is to demonstrate that the program does what it is supposed to do.
38. Testing is executing Software for the purpose of finding defects.
39. **Which of the following is not a type of incremental testing approach?**a) Top down
40. Big-bang
41. Bottom up
42. Functional incrementation.
43. **Drivers are also known as:**
44. *Spade*
45. *. Test harness*
46. *i. Scaffolding*a) i , ii are true and iii is false
47. i , iii are true and ii is false
48. ii , iii are true and i is false
49. All of the above are true
50. **Exit Criteria may consist of :-***i. Thoroughness measures , such as coverage of code, functionality or risk*
51. *Estimates of Defect density or reliability measures.*
52. *Residual risk such as defects not fixed or lack of test coverage in certain areas*
53. *Verifying the Test Environment.*
54. iv is correct and i,ii,iii are incorrect.
55. i,ii,iii is correct and iv is incorrect
56. ii is correct and i,ii,iii are incorrect
57. iii and iv are correct and i,ii are incorrect **37. Which of the following helps in monitoring the Test Progress:-***i. Percentage of Test Case Execution*
58. *Percentage of work done in test environment preparation.*
59. *Defect Information e.g. defect density, defects found and fixed*
60. *The size of the testing Team and skills of the engineers* a) iv is correct and i,ii,iii are incorrect b) i,ii,iii are correct and iv is incorrect
61. i,ii are correct and iii,iv are incorrect
62. i,iv are correct and ii , iii are incorrect **38. The selection of a test approach should consider the context :-***i. Risk of Failure of the Project, hazards to the product and risks of product failure to humans*
63. *Skills and experience of the people in the proposed technique, tools and methods*
64. *The objective of the testing endeavor and the mission of the testing team.*
65. *The size of the testing Team*
66. i,ii,iii,iv are true
67. i,ii,iii are true and iv is false.
68. ii,iii,iv are true and i is false.
69. i,iv are true and ii, iii are false.
70. **In case of Large Systems :-**a) Only few tests should be run
71. Testing should be on the basis of Risk
72. Only Good Test Cases should be executed.
73. Test Cases written by good test engineers should be executed.
74. **The Provision and Management of a controlled library containing all the configurations items is called as**a) Configuration Control
75. Status Accounting
76. Configuration Identification
77. Configuration Identification

**Answers :**

1. c
2. a
3. a
4. d
5. d
6. c
7. a
8. b
9. d
10. d
11. c
12. a
13. c
14. c
15. c
16. d
17. a
18. d
19. c
20. b
21. a
22. a
23. a
24. c
25. c
26. b
27. c
28. b
29. d
30. a
31. a

32 c

33 d

34 b

35 c

36 b

37 b

38 b

39 b

40 a