1.

Software testing activities should start:

as soon as the code is written

during the design stage

when the requirements have been formally documented

as soon as possible in the development life cycle

2.

Faults found by users are due to:

sofware using as not expected

poor software and poor testing

bad luck

insufficient time for testing

3.

What is the main reason for testing software before releasing it?

to show that system will work after release

to decide when the software is of sufficient quality to release

to find as many bugs as possible before release

to give information for a risk based decision about release

4.

Which of the following statements is not true?

performance testing can be done during unit testing as well as during the testing of whole system

the acceptance test does not necessarily include a regression test

verification activities should not involve testers (reviews, inspections etc)

test environments should be as similar to production environments as possible

5.

When reporting faults found to developers, testers should be:

as polite, constructive and helpful as possible

firm about insisting that a bug is not a “feature” if it should be fixed

diplomatic, sensitive to the way they may react to criticism

all of the above

6.

Which is not true for the black box tester?

should be able to understand a functional specification or requirements document

should be able to understand the source code.

is highly motivated to find faults

is creative to find the system’s weaknesses

7.

An incident tracking system:

should be used only by the test team

only records defects

is of limited value

is a valuable source of project information during testing if it contains all incidents

8.

Which of the following is NOT a type of non-functional test?

unit test

usability

performance

security

9.

Which of the following is not the integration strategy?

Design based

Big-bang

Bottom-up

Top-down

10.

Where may functional testing be performed?

at system and acceptance testing levels only

at all test level

at all levels above integration testing.

at the acceptance testing level only

11.

In a review meeting a moderator is a person who:

takes minutes of the meeting

mediates between people

takes telephone calls

writes the documents to be reviewed

12.

How much testing is enough?

this question is impossible to answer

this question is easy to answer

the answer depends on the risk for your industry, contract and special requirements

this answer depends on the maturity of your developers

13.

Which of the following will NOT be detected by static analysis?

parameter type mismatches

errors in requirements

undeclared variables

uncalled functions

14.

What is the objective of debugging?

i To localise a defect.

ii To fix a defect.

iii To show value.

iv To increase the range of testing.

i, iii.

ii, iii, iv.

ii, iv.

i, ii

15.

The process of designing test cases consists of the following activities:

i. Elaborate and describe test cases in detail by using test design techniques.

ii. Specify the order of test case execution.

iii. Analyse requirements and specifications to determine test conditions.

iv. Specify expected results.

According to the process of identifying and designing tests, what is the correct order of these activities?

iii, i, iv, ii.

iii, iv, i, ii.

iii, ii, i, iv.

ii, iii, i, iv.

16.

What is the main purpose of impact analysis for testers?

to determine the programming effort needed to make the changes

to determine what proportion of the changes need to be tested

to determine how much the planned changes will affect users

to determine how the existing system may be affected by changes

17.

Which of the following requirements would be tested by a functional system test?

the system must be able to perform its functions for an average of 23 hours 50 mins perday

the system must perform adequately for up to 30 users

the system must allow a user to amend the address of a customer

the system must allow 12,000 new customers per year

18.

Which of the following is a characteristic of good testing in any life cycle model?

all document reviews involve the development team

some, but not all, development activities have corresponding test activities

each test level has test objectives specific to that level

analysis and design of tests begins as soon as development is complete

19.

Testing will be performed by the people at client own locations

Alpha testing

User Acceptance testing

Performance testing

System testing

20.

System testing should investigate:

Non-functional requirements only not Functional requirements

Functional requirements only not non-functional requirements

Non-functional requirements and Functional requirements

Non-functional requirements or Functional requirements

21.

Who is responsible for documenting all the issues, problems and open point that were identified during the review meeting?

moderator

scribe

reviewers

author

22.

Which is not a testing principle?

early testing

defect clustering

pesticide paradox

exhaustive testing

23.

Contract and regulation testing is a part of:

system testing

acceptance testing

integration testing

smoke testing

24.

COTS is known as:

Compliance of the software

Change control of the software

Commercial off the shelf software

Capable off the shelf software

25.

Which of the following statements is NOT true:

inspection is the most formal review process

inspections should be led by a trained leader

managers can perform inspections on management documents

inspection is appropriate even when there are no written documents

26.

Which of the following statements is true about a software verification and validation program?

I. It strives to ensure that quality is built into software.

II. It provides management with insights into the state of a software project.

III. It ensures that alpha, beta, and system tests are performed.

IV. It is executed in parallel with software development activities.

I, II & III

II, III & IV

I, II & IV

I, III & IV

27.

Reviews, static analysis and dynamic testing have the same objective:

identifying defects

fixing defects

1 and 2

none

28.

Test Implementation and execution has which of the following major tasks?

i. Developing and prioritizing test cases, creating test data, writing test procedures and optionally preparing the test harnesses and writing automated test scripts.

ii. Creating the test suite from the test cases for efficient test execution.

iii. Verifying that the test environment has been set up correctly.

iv. Determining the exit criteria.

i,ii,iii are true and iv is false

i,,iv are true and ii is false

i,ii are true and iii,iv are false

ii,iii,iv are true and i is false

29.

Which of the following statements regarding static testing is false?

static testing requires the running of tests through the code

static testing includes desk checking

static testing includes techniques such as reviews and inspections

static testing can give measurements such as cyclomatic complexity

30.

Verification involves which of the following:

i. Helps to check that we have built product right.

ii. Helps to check that we have built the right product.

iii. Helps in developing the product

iv. Monitoring tool wastage and obsoleteness

i,ii,iii,iv are true

i is true and ii,iii,iv are false

i,ii,iii are true and iv is false

ii is true and i,iii,iv are false

31.

Which of the following is true about Formal Review or Inspection:

i. Led by Trained Moderator (not the author).

ii. No Pre Meeting Preparations

iii. Formal Follow up process.

iv. Main Objective is to find defects

ii is true and i,iii,iv are false

i,iii,iv are true and ii is false

i,iii,iv are false and ii is true

iii is true and I,ii,iv are false

32.

Non-functional system testing includes:

testing to see where the system does not function properly

testing quality attributes of the system including performance and usability

testing a system feature using only the software required for that action

testing for functions that should not exist

33.

Which of the following uses Impact Analysis most?

component testing

non-functional system testing

user acceptance testing

maintenance testing

34.

In foundation level syllabus you will find the main basic principles of testing. Which of the following sentences describes one of these basic principles?

complete testing of software is attainable if you have enough resources and test tools

with automated testing you can make statements with more confidence about the quality of a product than with manual testing

testing everything (all combinations of inputs and preconditions) is not feasible except for trivial cases

a goal of testing is to show that the software is defect free

35.

In system testing:

both functional and non-functional requirements are to be tested

only functional requirements are tested; non-functional requirements are validated in a review

only non-functional requirements are tested; functional requirements are validated in a review

only requirements which are listed in the specification document are to be tested

36.

Which of the following activities differentiate a walkthrough from a formal review?

a walkthrough does not follow a defined process

for a walkthrough individual preparation by the reviewers is optional

a walkthrough requires meeting

a walkthrough finds the causes of failures, while formal review finds the failures

37.

Which set of metrics can be used for monitoring of the test execution?

number of detected defects, testing cost;

number of residual defects in the test object.

percentage of completed tasks in the preparation of test environment; test cases prepared

number of test cases run / not run; test cases passed / failed

38.

What makes an inspection different from other review types?

it is led by a trained leader, uses formal entry and exit criteria and checklists

it is led by the author of the document to be inspected

it can only be used for reviewing design and code

it is led by the author, uses checklists, and collects data for improvement

39.

What is the purpose of test exit criteria in the test plan?

to specify when to stop the testing activity

to set the criteria used in generating test inputs

to ensure that the test case specification is complete

to know when a specific test has finished its execution

40.

Which of the following is most often considered as components interface bug?

for two components exchanging data, one component used metric units, the other one used British units

the system is difficult to use due to a too complicated terminal input structure

the messages for user input errors are misleading and not helpful for understanding the input error cause

under high load, the system does not provide enough open ports to connect to