**Questions on Chapter 6**

**Q.1)** What is the effect on the component/system when it is being measured?

A. FPA

**B. Probe effect**

C. Code analyzer

D. FMEA

**Q.2)** Which of the following is not a static testing tool?

A. Modeling tools

B. Static analysis tools

C. Review process support tools

**D. Test harness/unit test framework tools**

**Q.3)** ----------------------------- is an objective of a pilot project for the introduction of a testing tool?

w. Discover what the requirements for the tool are

x. Complete the testing of a key project.

y. Evaluate tester's competence to use the tool.

z. Assess whether the benefits will be achieved at the reasonable cost.

• **Assess whether the benefits will be achieved at the reasonable cost.**

**Q.4)** Which of the following tools is most likely to contain a comparator?

A. Static analysis tools

**B. Test Execution tools**

C. Dynamic analysis tools

D. Test management tools

**Q.5)** Which of the following tools would be involved in the automation of regression test?

A. Test Execution tools

B. Capture/playback tools

C. Regression testing tools

**D. All of the above**

**Q.6)** ------------ is a test environment comprised of stubs and drivers needed to execute a test?

W. Test basis

X. Test harness

Y. Test oracle

Z. Test suite

**• Test harness**

**Q.7)** A typical commercial test execution tool would be able to perform all of the following except:

A. Recording test inputs.

B. Reading test values from a data file.

**C. Calculating expected outputs.**

D. Comparison of expected outcomes with the actual outcomes.

**Q.8)** ---------------- is one of the advanced scripting techniques for test execution tools.

i. Play-back driven

ii. Capture-driven

iii. Keyword-driven

iv. Keyhole-driven

**• Keyword-driven**

**Q.9)** Which of the following are the tools that support performance and monitoring?

A. Dynamic analysis tools

B. Test comparator

C. Load testing tool

D. stress-monitoring tool

E. Security tool

A. A, C, B are correct; D, E are incorrect

**B. A, C, D are correct; B, E are incorrect**

C. A, C, E are correct; B, D are incorrect

D. C, D are correct; A, B, E are incorrect

**Q.10)** ------------------------- and ------------------------ are the test specification tools.

i. Test comparator, Security

ii. Monitoring tool, Load testing

iii. Test design, test data preparation

iv. Test design, test management

• **Test design, test data preparation**

Un-Answered 35% answered this correctly. 65% answered wrong

**Q.11)** ------------------- is a type of testing conducted to evaluate a system/component at or beyond the limits of its specified requirements.

a. Load testing

b. Stress testing

c. Volume testing

d. Robustness testing

**• Stress testing**

Correct 39% answered this correctly. 61% answered wrong

**Q.12)** Which of the following is not a potential benefit of using tools?

A. Ease of access to information about tests or testing.

B. Objective assessment

**C. Less consistency and repeatability than manual testing**

D. Reduction of repetitive work.

**Q.13)** Which of the following does the dynamic analysis tool not do?

**A. Logging real-time and historical information**

B. Detecting memory leaks

C. Identifying time dependencies

D. Identifying null pointers

**Q.14)**  -------------------- is a tool that carries out analysis of the source code without the execution of that software.

w. Code analyzer

x. Dynamic analyzer

y. Static analyzer

z. Static code analyzer

**• Static analyzer**

**Q.15)** Which of the following are the tools that are more likely to be used by developers?

i. Static analysis tools

ii. Test data preparation tools

iii. Test harness tools

iv. Test design tools

v. Dynamic analysis tools

**A. i, iii, v are correct; ii, iv are incorrect**

B. i, ii, v are correct; iii, iv are incorrect

C. ii, iv, v are correct; i, iii are incorrect

D. i, v are correct; ii, iii, iv are incorrect

**Q.16)**  ---------------------- allow the data to be stored separately from the script.

i. Keyhole-driven scripts

ii. Data-driven scripts

iii. Playback-driven scripts

iv. Capture-driven

Possible correct answers:

**• Data-driven scripts**

**Q.17)** Which of the following tool is mostly concerned with non-functional quality characteristics?

A. Test management tools

**B. Performance testing tools**

C. Static analysis tool

D. Test execution tools

**Q.18)** One of the ways to do a proof-of-concept is to have a --------------- as the first thing done with a new tool.

i. test oracle

ii. pilot project

iii. master plan

iv. audit

**• pilot project**

**Q.19)**  The place to begin if need a new test tool is :

A. Find out what your budget would be for the tool.

**B. Analyze your needs and requirements**

C. Attend a tool exhibition

D. Invite a vendor to give DEMO