University of Mumbai
Examination 2020 under cluster 2 (FRCRCE)

Program: BE Information Technology

Curriculum Scheme: Revised 2016

Examination: Final Year Semester VII

Course Code: **ITDLO 7034** and Course Name: **Software Testing & Quality Assurance**

Time: 1 hour   Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	What is an alternate term used for white-box testing?
Option A:	Glass-box testing
Option B:	Finite level testing
Option C:	Static testing
Option D:	Functional testing
Q2.	What is a matrix defined with link weights?
Option A:	Identity matrix
Option B:	Connection matrix
Option C:	Graph matrix
Option D:	Flow matrix
Q3.	What term is used to refer to changes designed to improve or add capabilities?
Option A:	Perfective maintenance
Option B:	Adaptive maintenance
Option C:	Corrective maintenance
Option D:	Effective maintenance
Q4.	When the system size increases, what effect is observed on the efficiency of code coverage in dynamic testing?
Option A:	Efficiency of code coverage decreases
Option B:	Efficiency of code coverage increases
Option C:	Efficiency of code coverage remains same
Option D:	Efficiency of code coverage affects other factors in the system
Q5.	Which is the immediate goal of software testing?
Option A:	Reduced maintenance cost
Option B:	Risk management
Option C:	Bug discovery
Option D:	Customer satisfaction
Q6.	What term do we use for SRS if it has no specifications contradicting or conflicting with each other?

Option A:	Consistent
Option B:	Exhaustive
Option C:	Meaningful
Option D:	Complete
Q7.	Which term relates to inability of a system or component to perform a required function according to its specification?
Option A:	Bug
Option B:	Failure
Option C:	Error
Option D:	Mistake
Q8.	Which term is used to check that each requirement references its source in previous documents?
Option A:	Forward traceability
Option B:	Forward compatibility
Option C:	Backward Compatibility
Option D:	Backward traceability
Q9.	Test point analysis is a technique to measure the _____ test effort estimation.
Option A:	Black-box
Option B:	White-box
Option C:	Black-box and white-box
Option D:	Red box
Q10.	Test Director is a _____ tool.
Option A:	Test management
Option B:	Functional/regression testing
Option C:	Performance testing
Option D:	Efficiency testing
Q11.	WinRunner is a _____ tool.
Option A:	Test management
Option B:	Functional/regression testing
Option C:	Performance testing
Option D:	Efficiency testing
Q12.	The testing in which different possibilities or scenarios are considered as per the market analysis performed by market evaluators having positive and negative limitations is called as:
Option A:	Acceptance testing
Option B:	Unit testing
Option C:	Exploratory testing
Option D:	Stress testing
Q13.	Agile testing is:

Option A:	The only responsibility of the QA role
Option B:	A collaborative team effort
Option C:	Performed at the end of the project
Option D:	Not required until the hardening sprint
Q14.	A set of attributes that bear on the relationship between the software's performance and the amount of resource used under stated conditions is called as:
Option A:	Reliability
Option B:	Usability
Option C:	Portability
Option D:	Efficiency
Q15.	Tools that help in understanding dependencies, tracing program logic, viewing graphical representations of the program, and identifying the dead code are called _____.
Option A:	Monitor program
Option B:	Event program
Option C:	Code comprehension
Option D:	Only Program
Q16.	Which is the very first phase in the evolution of software testing?
Option A:	Debugging-oriented phase
Option B:	Demonstration-oriented phase
Option C:	Destruction-oriented phase
Option D:	Evaluation-oriented phase
Q17.	What is the advantage of Agile testing?
Option A:	It takes a long time
Option B:	It requires more planning and requires exhaustive documentation
Option C:	End users give feedback at the end of product development
Option D:	Solves issue in advance by daily meeting
Q18.	The capability of the software to interact with one or more specified systems is a part of which of the characteristics of ISO 9126?
Option A:	Functionality
Option B:	Usability
Option C:	Efficiency
Option D:	Maintainability
Q19.	Which of the following is not one of three software product aspects addressed by McCall's software quality factors?
Option A:	Adaptability to new environments
Option B:	Ability to undergo change
Option C:	Production costs and scheduling
Option D:	Operational characteristics
Q20.	Which among the following guarantees that the principles, methods and procedures

	that are in place are suitable for the project and can be implemented properly?
Option A:	Software quality control
Option B:	Software quality assurance
Option C:	Software testing
Option D:	Software metrics
Q21.	The capability of the software to maintain a specified level of performance in case of software faults or of infringement of its specified interface
Option A:	Learnability
Option B:	Fault tolerance
Option C:	Recoverability
Option D:	Accuracy
Q22.	Maturity, fault tolerance and recoverability are what type of quality attribute of ISO 9126?
Option A:	Reliability
Option B:	Efficiency
Option C:	Functionality
Option D:	Usability
Q23.	Adjusted function point count (AFP) = Unadjusted function point count (UFP) __ Value adjustment factor (VAF)
Option A:	+
Option B:	*
Option C:	–
Option D:	/
Q24.	Which test plan is made corresponding to requirement gathering?
Option A:	Acceptance test plan
Option B:	System test plan
Option C:	Function and integration test plan
Option D:	Unit test plan
Q25.	The time required for the entire user- requested transactions including connection and processing time in web application is called as:
Option A:	Round-trip time
Option B:	Throughput
Option C:	Response time
Option D:	Request time