

**Sample Questions****Subject:Software Quality Assurance[USIT601]****Programme: T.Y.B.Sc. (Information Technology) Sem VI Rev 16****GES' Shri B. Vartak College Borivali (West)**

Sr. no	Question	Chapter / Unit / Module	option 1	option 2	option 3	option 4	correct option (1,2,3,4,5)
1	Quality is fitness for _____.	1	user	developer	purpose	tester	3
2	Quality can be defined as Conformance to _____.	1	Specification	Market	Developer	Company	1
3	Which is not a component of quality?	1	functionality	reliability	flexibility	failure	4
4	"Total Quality" concept was created in _____.	1	Japan	US	UK	South Korea	1
5	A _____ is a recipient of a good, service, product.	1	Developer	Customer	tester	designer	2
6	Quality can be recongnized but not defined. This is called as the _____ view of quality	1	Transcendental	User	Product	Manufacturing	1
7	"Quality is fitness for purpose". This is called as the _____ view of quality.	1	Product	User	Transcendental	Manufacturing	2
8	When Quality depends on the amount which the customer is willing to pay, it is called as _____.	1	User	Manufacturing	Value	Product	3
9	The cost which arises from the efforts to prevent defects is called as _____.	1	Appraisal cost	Prevention cost	Failure cost	Miscellaneous cost	2
10	The cost which aries from defects like rework, repair etc. are called as _____.	1	Internal Failure Cost	External Failure Cost	Appraisal Cost	Prevention Cost	1
11	_____ is a fundamental test process which defines the objective and goal of the testing process.	2	test control	test planning	test implementation	test execution	2
12	Which activities are done when software is delivered.	2	test closure	test analysis	test design	test case desingning	1
13	which testing focuses on the verification effort on the smallest unit of software design?	2	unit testing	integration testing	alpha testing	beta testing	1
14	Which of the following is not included in failure costs?	2	rework	repair	failure mode analysis	none of the mentioned	4
15	Which of the following is not included in External failure costs?	2	Testing	help line support	warranty work	complaint resolution	1

16	Which of the following is not an appraisal cost in SQA?	2	inter-process inspection	maintenance	quality planning	testing	3
17	What is prevention cost?	2	The cost arises from efforts to prevent defects.	The cost arises from defects identified internally to correct them	The cost arises from efforts to prevent cost.	The cost arises from efforts to implement cost	1
18	_____ is define as the degree of impact a defect has on the development of a component application being test.	2	Quality	Product	Severity	Process	3
19	_____ matrix is used to trace the requirement to the test that are needed to verify whether the requirement are fulfilled	2	Total quality management	Requirement Traceability	Requirement engineering	Project Quality Management	2
20	_____ Testing is a type of software testing where we change certain statements in the source code and check if the test case are able to find error.	2	Mutation	Decision Table	Big bang	Boundary value	1
21	DD-path graph is the directed graph in which_____ are DD-paths of its program graph, and _____ represent control flow between successor DD-paths.	3	path,nodes	nodes,edges	edges,graph	nodes,graph	2
22	When all the nodes are traversed in program graph then it is called as _____	3	graph coverage	Edge coverage	Node coverage	path coverage	3
23	Which is type of coverage for exercising a set of rules such that each condition is evaluated to both true and false?	3	Decesion coverage	condition coverage	Statement coverage	path coverage	2
24	Statement and branch coverage metrics are part of	3	Analysis Model	Design Model	Testing	Source Code	3
25	Statement coverage is also known as _____	3	Line coverage	Path coverage	Code coverage	Decesion coverage	1
26	Major benefit of ..... is that it is greatly able to isolate the portion of code, which could not be executed.	3	parameter coverage	statement coverage	Decision coverage	Loop coverage	2
27	Cause-effect graphing is one form of:	3	Structural testing	Maintenance testing	Regression testing	Functional testing	1
28	The degree of an isolated node is always_____.	3	1	2	0	3	3
29	How the degree of node is calculated in directed graph?	3	indeg(n)	indeg(n)+outdeg(n)	indeg(n)*2	outdeg(n)	2
30	The Decision to Decision (DD) path graph is an extension of a _____	3	program graph	program	graph	path	1
31	Fitness of Use which is defined as the customer view of quality can also be termed as_____ -	4	Verification	Validation	Regression	Confirmation	1
32	Conformance to requirement which is developer view of quality can also be termed as_____ -	4	Verification	Validation	Regression	Confirmation	2
33	One of the foolowing is not a component of verification workbench:	4	Verification Process	Process rework	Standards	Validation Process	4
34	which of the following is not considered as an official type of review in most of the software verification processes	4	Self Review	Peer Review	Inspection	Walkthrough	1
35	_____ isa formal type of review	4	Self Review	Peer Review	Inspection	Walkthrough	3

36	This audit checks whether all the requisite processes of delivery are followed or not and whether the work product meets the delivery criteria or not.	4	Predelivery Audit	Phase End Audit	Periodic Audit	Product Audit	1
37	In this review the author of the artifact presents it to all the team members and the entire team discusses about the various aspects of the artifact	4	Audit	Superior Review	Inspection	Walkthrough	4
38	This is the one who leads the complete inspection process including planning the inspection, running it, taking the follow up after the meeting.	4	Manager	Moderator	Author	Reviewer	2
39	In a typical inspection process which phase follows kickoff preparation	4	Individual preparation	Inspection Meeting	Planning for inspection	Followup	1
40	_____decides the execution of the inspection,defines the schedules,allocates time and defines objectives of inspection.	4	Manager	Moderator	Author	Reviewer	1
41	_____ is conducted on whole integrated system to estimate the systems compliance with its specified set of requirements.	5	Integration Testing	Interface Testing	System Testing	Unit Testing	3
42	_____is largely a white box oriented.	5	Module testing	Integration Testing	Design testing	Proposal testing	1
43	Hybrid Integration Testing is also known as _____.	5	Big-Bang Integration Testing	Sandwich Integration Testing	Bottom-Up Integration Testing	Integration Testing	2
44	Which testing is concerned with behavior of whole product as per specified requirements?	5	Acceptance testing	Component testing	System testing	Integration testing	3
45	System architecture is determined during which phase?	5	Requirement gathering	Implementation	Development	Design	4
46	Verifying that whether software components are functioning correctly and identifying the defects in them is objective of which level of testing?	5	Integration testing	Acceptance testing	Unit testing	System Testing	3
47	"Stubs" and "Drivers" are used is which type of testing?	5	Alpha Testing	Beta Testing	Integration Testing	Unit Testing	3
48	What is the objective of integration testing?	5	To verify that system is functioning according to specified requirements	To verify that system meets user expectation and needs	To verify that system separately testable modules are functioning properly	To verify that interfaces between different parts of system	4
49	_____are the Testers of System Testing?	5	Developers	Business Analysts	Independent Testers	Customers	3
50	Faults are found most cost-effectively in which test activity?	5	Design	Execution	Planning	Release	3