

Q. No.	Question	Option1	Option2	Option3	Option4	Correct Option No.
1	From the following which quality deals with maintaining the quality of the software product?	Quality assurance	Quality control	Quality efficiency	None of the above	Option2
2	State if the followings are true or false. For scheduling a project, it is necessary to: 1) Break down the project tasks into smaller, manageable form. 2) Find out various tasks and correlate them. 3) Estimate time frame required for each task. 4) Divide time into work-units.	TRUE	FALSE			Option1
3	Choose the correct option according to given below statement. Statement 1: Umbrella activities are independent of any one framework activity and occur throughout the process. Statement 2: software quality assurance, software configuration management are umbrella activity. Statement 3: software quality assurance, software configuration management are not umbrella activity.	Only statement 1 is correct.	Statement 1 and statement 2 are correct.	Only statement 3 is correct.	Statement 1 and statement 3 are correct.	Option2
4	When elements of module are grouped because the output of one element serves as input to another element and so on, it is called _____.	Functional Cohesion	Communicational cohesion	Sequential cohesion	Procedural cohesion	Option3
5	Which is focused towards goal of the organization?	Feasibility study	Requirement gathering	Software requirement specification	Software requirement validation	Option1
6	Which depicts flow of control in program modules?	Flowchart	DFD	Both A & B	None of the above	Option1
7	Measurements can be categorized in two ways. What are those two ways?	Direct and Indirect	Front and Rear	Metric	Quality and Reliability.	Option1
8	In the requirement analysis which model depicts how the software behaves as a consequence of external events?	Class-Oriented models	Scenario-based models	Flow-oriented models	Behavioural models	Option4
9	What is a black box testing method that divides the input domain of a program into classes of data from which test cases can be derived?	Binary partitioning	Equivalence partitioning	State-based partitioning	Attribute-based partitioning	Option2
10	The New modules, that are need to be replaced or modified, and they are also designed against requirement specifications set in the previous stage is _____.	Acceptance testing	System Testing	Delivery	Design	Option4
11	In software maintenance removing errors spotted by users is known as _____.	Adaptive	Corrective	Perfective	Preventive	Option2
12	What should a software team apply for limited resources in a way that has the highest likelihood of achieving a high-quality result?	Requirement quality	Design quality	Code quality	Quality control effectiveness	Option4
13	What is tested to uncover errors that indicate lack of conformance to customer requirements in the dimensions of quality?	Structure	Function	Usability	Navigation	Option2

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14	Which feature relieves anxiety, so the user knows that errors can be undone?	A: Support internal locus of control	B: Permit easy reversal of actions	Offer simple error handling	Design dialog to yield closure	Option2
15	15. In a risk-based approach the risks identified may be used to: i. Determine the test technique to be employed ii. Determine the extent of testing to be carried out iii. Prioritize testing in an attempt to find critical defects as early as possible. iv. Determine the cost of the project	ii is True; i, iii, iv and v are False	i,ii,iii are true and iv is false	ii and iii are True; i, iv are False	ii, iii and iv are True; i is false	Option2
16	What can static analysis NOT find?	The use of a variable before it has been defined:	Unreachable ("dead") code.	Memory leaks.	Array bound violations.	Option3
17	Alpha and Beta Testing are forms of _____ .	Acceptance testing	Integration testing	System Testing	Unit testing	Option1
18	The model in which the requirements are implemented by its category is _____ .	Evolutionary Development Model	Waterfall Model	Prototyping	Iterative Enhancement Model	Option1
19	If every requirement stated in the Software Requirement Specification (SRS) has only one interpretation, SRS is said to be correct _____ .	Unambiguous	Consistent	Verifiable	None of the above	Option1
20	FAST stands for _____ .	Functional Application Specification Technique	Fast Application Specification Technique	Facilitated Application Specification Technique	None of the above	Option3
21	The level at which the software uses scarce resources is _____ .	Reliability	Efficiency	Portability	All of the above	Option2
22	Aggregation represents _____ .	is_a relationship	part_of relationship	composed_of relationship	none of above	Option3
23	If P is risk probability, L is loss, then Risk Exposure (RE) is computed as _____ .	$RE = P/L$	$RE = P + L$	$RE = P * L$	$RE = 2 * P * L$	Option3
24	Number of clauses used in ISO 9001 to specify quality system requirements are _____ .	15	20	25	28	Option2
25	IEEE 830-1993 is a IEEE recommended standard for _____ .	Software Requirement Specification	Software design	Testing	Both (A) and (B)	Option1
26	When multiple modules have read and write access to some global data, it is called, _____ .	Content coupling	Stamp coupling	Data coupling	Common coupling	Option4
27	Which of the following techniques is not a White box technique?	Statement Testing and coverage	Decision Testing and coverage	Condition Coverage	Boundary value analysis	Option4
28	Coupling and cohesion can be represented using a _____ .	cause-effect graph	dependence matrix	Structure chart	SRS	Option2
29	The Phases of formal review process are mentioned below. Arrange them in the correct order. i. Planning ii. Review Meeting iii. Rework iv. Individual Preparations v. Kick Off vi. Follow Up	i,ii,iii,iv,v,vi	vi,i,ii,iii,iv,v	i,v,iv,ii,iii,vi	i,ii,iii,v,iv,vi	Option3
30	Which Chart is a statistical technique to assess, monitor, and maintain the stability of a process?	Control Chart	Maintenance Chart	Bar Charts	None of these	Option1
31	SDLC is not a well-defined, structured sequence of stages in software engineering to develop the intended software product.	TRUE	FALSE			Option1

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32	CMM model in Software Engineering is a technique of ____.	Develop the software.	Improve the software process.	Improve the testing process.	All of the above.	Option2
33	Which of the level carries out goal, objective, work tasks, work products and other activities of the software process?	Performed	INCOMPLETE	Optimized	Quantitatively Managed	Option1
34	In OOD, the attributes(data variables) and methods(operation on the data) are bundled together is called _____.	Classes	Objects	Encapsulation	Inheritance	Option3
35	Which is not a SQA activity?	Black box testing	White box testing	Integration testing	Unit testing	Option2
36	Where is the prototyping model of software development well suited?	When requirements are well defined:	For projects with large development teams.	When a customer cannot define requirements clearly.	None of the above	Option3
37	Which classes implements the lower-level business abstractions that required to fully manage the business domain classes?	User interface classes	Business domain classes	Process classes	System classes	Option3
38	Which type of DFD concentrates on the system process and flow of data in the system?	Logical DFD	Physical DFD	Both A & B	None of the above	Option1
39	In the management subsystem what is the functional elements and associated workflow will support the content object identification, version control, change management, change auditing and reporting?	Content database	Database capabilities	Configuration management function	All mentioned above	Option3
40	What is a special set of ISO guidelines that developed to help the interpret standard for the use in software process?	ISO 9001-2000	ISO 9001-2001	ISO 9000-3	ISO 9000-4	Option3
41	Which of the following is not the type of Cohesion?	Functional	Layer	Communicational	Sharing.	Option4
42	Which is the worst type of coupling?	Control coupling	Data coupling	Content coupling	Stamp coupling	Option3
43	The disadvantage of using lower CASE tools to generate computer source code is:	The time to develop new systems increases	The time to maintain generated code is less than to maintain traditional systems	Code can be generated in more than one language	Generated code is free from program coding errors	Option2
44	Which of the following is not one of the four values of the agile approach?	Communication	Simplicity	Feedback	Fear	Option4
45	Requirement Engineering is not concern with _____	Requirement Design	Requirement Elicitation	Requirement Analysis	Requirement Documentation	Option1
46	Which of the following are Incremental Developmental Models? 1. Prototyping 2. V model 3. Rapid Action Development (RAD) 4. Agile Development 5. Rational Unified Process (RUP) 6. Waterfall Model	1,2,4	1,3,4,5	1,2,3,4,5	1,2,3	Option2

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47	Which of the following is used in high level of testing?	Functional testing	Structural testing	Glass box testing	White Box testing	Option1
48	Which of the followings is/are not a type of SDLC models?	Big bang model	Code and fix model	Agile model	Capability Maturity model	Option4
49	If the project is small then we used _____ .	Iterative model	V model	Agile model	Spiral model	Option3
50	Which is not true regarding Spiral Model?	Risk analysis is involved in every cycle of development.	Uses series of prototype for refining test execution plan.	For any change we need to iterate the whole cycle.	Only this model has the risk analysis phase.	Option2
51	Validation is focused on _____ .	Product	Process	Both	None	Option1
52	Verification is focused on _____ .	Product	Process	Both	None	Option2
53	Product Revision is not related to _____ .	Maintainability	Testability	Flexibility	Reusability	Option4
54	Validation is the responsibility of _____ .	Developer	Designer	Tester	QA Team	Option3
55	Testing objective is different for each phase of life cycle activity.	TRUE	FALSE			Option2
56	Regression Testing is a major part of which of the life cycle?	Waterfall model	V model	Iterative model	Linear Sequential model	Option3
57	Cyclomatic Complexity cannot be applied in _____ .	Re-engineering	Risk Management	Test Planning	Reverse engineering	Option4
58	Verification is the responsibility of _____ .	Developer	Designer	Tester	QA Team	Option4
59	Which activity is carried out first?	Verification	Validation	Both	None	Option1
60	The problem that threatens the success of a project but which has not yet happened is called as _____ .	Bug	Error	Risk	Defect	Option3
61	Bug is the same name of _____ .	Error	Incident	Mistake	Defect	Option4
62	When different combination of input requires different combination of actions, Which of the following technique is used in such situation?	Boundary Value Analysis	Equivalence Partition	Decision Table	Decision Coverage	Option3
63	Component based software engineering emphasizes on _____ .	Coupling	Software planning	Reusability	None of the above	Option3
64	What is the first activity in Software Project Planning?	Determination of software scope	Determination of budget	Find out the team size	None of the above	Option1
65	The model which estimates the total effort in terms of person, months of the technical project staff is _____	Spiral Model	Waterfall model.	Win-win spiral model.	Cocomo Model	Option4
66	Which is the best way to deal with a Risk?	Mitigate	Avoid	Transfer	Ignore	Option1
67	Risk is expressed in terms of probability and impact.	TRUE	FALSE			Option1
68	Software risk always involves two characteristics. What are those characteristics?	Staff size and Budget	Certainty and Profit	Uncertainty and Loss	Project Deadline and Budget	Option3
69	Risk Mitigation is a Risk _____ Activity. Risk Monitoring is a _____ Activity.	Avoidance, Project tracking.	Increasing, Project tracking.	Project tracking, Avoidance.	Random, Tracking.	Option1
70	Design phase will usually be.	Top-down	Bottom-up	Random	None of the above	Option1
71	When we say ABC organization is CMMI Level 5 company, How do you describe its stage?	Defined	Managed	Optimized	Quantitatively managed	Option3
72	Which of the following is not the objective of CMMI?	Produce quality product or services by process improvement	Increase customer satisfaction	Expanding market presence	Removing the bugs in product thereby direct product improvement	Option4
73	Which of the following is the Process Improvement Model?	Agile	CMMI	Prototyping	V mode	Option2
74	Black Box Testing is also known as _____ .	Behavioral Testing	Flow Testing	Data Testing	None of the above	Option1
75	Equivalence Partitioning comes under which type of Testing?.	White Box Testing	Black Box Testing	Grey Box Testing	None of the above	Option1

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76	What types of errors are not done by Black-Box Testing and can be uncovered by White-Box Testing?	Logic errors	Performance errors	Behavioral errors	None of the above	Option1
77	As a test manager you will be getting delayed delivery of build for testing which has to be deployed on time. You have limited resources. By applying which measures are you able to perform testing in given time?	Argue with development team and convince them to deliver build on time.	Ask for more resources.	Request customer about extending time.	Prioritize testing based on risk & make sure critical functionality is tested earlier.	Option4
78	What is a role of Test Manager?	determine when to release a system	Reallocate resources to meet objectives	report deviations in project plan	raise incidents on fault	Option4
79	End result of Software Requirement Analysis is _____.	Functional and Behavioral	Architectural and Structural	Usability and Reliability	Algorithmic and Data Structure	Option1
80	First component of the DFD is _____.	Process	Flow	Entity	Level	Option1
81	Which one of the following statements about DevOps Goal is incorrect?	Lower failure rate of new releases	Faster deployment frequency	Faster market time	Slower mean recovery time	Option4
82	Microservices provide user ?	Dependent Deployment	Technology Diversity	Higher Deployment Time	High Degree of Coupling	Option2
83	Which of the following is disadvantage of implementing Microservices	Microservices doesn't pose any security challenges	Microservices are less expensive	Due to high volume of remote calls increase in network latency	Microservices doesn't require cultural changes	Option3
84	Developer Machine Crashed and he lost his all project data, He maintained his project data on github, which command will be used to restore the project data	git pull	git push	git commit	git init	Option1
85	Git command used to put the new/changed data into the Staging environment.	git init	git add	git push	git remote add origin	Option2
86	Command git checkout -b bugs is used for?	Create a+ branch bugs	Checkout to branch bugs	Create and Checkout the branch bugs	Initialize the branch bugs	Option3
87	Developer created a new git branch <bugs> and fixed the bugs in the newly created branch bugs, now he want to release it by adding those changes into the master branch, which git command will be useful?	git add -A	git checkout master and git merge bugs	git checkout master and git commit	git push bugs	Option3
88	How do you create a copy of a lab under your own GitHub account so that you can solve the lab?	Forking it via the GitHub interface.	git pull	git clone	git fork	Option1
89	Which statement is Not True about git:	Good distributed model as each developer gets a local repository with a full history of commits which makes git fast compared to other VCs	Branching capabilities and merging are easy (as they are cheap), good data integrity.	GIT needs multiple branches to support parallel developments used by the developers	The push/pull operations are slower in git/github	Option4
90	A standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another is?	Package	Container	Program	Project	Option2

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91	Which is the Correct Statement about Containers?	Only available for Linux Machines	Only available for Windows Machines	Containerized software will be dependent on the host infrastructure	Containers isolate software from its environment and ensure that it works uniformly despite differences for instance between development and staging	Option4
92	Where all the docker images stored so that it can be pulled?	Docker Image Repository	Docker Hub	Docker Store	Docker containers	Option2
93	Docker command used to create and run the container from existing docker image?	docker run -it -d <image name>	docker run -i <image name>	docker run -t <image name>	docker run <image name>	Option1
94	Docker command used to see all running containers?	docker ps -a	docker ps	docker ps -r	docker ps -i	Option2
95	YAML is mostly used for writing?	Database commands	Data storage	Configuration files	Image storage	Option3
96	Kubernetes and Docker swarm are?	Data serialization tool	Containerization tool	Imaging tool	Container Orchestration tool	Option4
97	What is Not True about Kubernetes?	Auto Scaling	Easy to start cluster	Easy to scale	Monitoring within container	Option2
98	What is True about Docker Swarm?	Auto Scaling	Easy to start cluster	Light weight	Monitoring with third party tools	Option3
99	Jenkins is used for?	Running test cases	Building code	Deploying Code	Building, testing, documenting the software and deploying.	Option4
100	Which is the general purpose and most flexible project for creating Jenkins job ?	Freestyle project	Multiconfiguration job	Maven Project	Pipeline project	Option1
101	What are the problems before Continuous Integration?	Software delivery is slow	Feedback on building and testing is very quick	Easy to locate the bugs	Software developer able to commit every change they made and see the test results	Option1
102	What is CICD?	Continuous Integration and Continuous Deployment	Continuous Increment and Continuous Delivery	Continuous Integration and Continuous Delivery	Continuous Increment and Continuous Deployment	Option3
103	What is Not True about Cloud ?	Setup is expensive	Easy to scale	Pay as you use	Troubleshooting	Option1
104	Cloud Computing is not used for?	Storing data on remote servers	Storing data on local machine	Processing data from remote servers	Accessing data from internet	Option2
105	Which cloud model is suitable where cloud provider leases application or softwares which are owned by them to its client	SaaS	PaaS	IaaS	RaaS	Option1
106	Which is the best fit cloud model which gives the ability to the customer to deploy customer created apps using programming language, tools etc.. that are provided by cloud provider?	SaaS	PaaS	IaaS	RaaS	Option2
107	Which deployment model I should use if I want to host the service for limited number of users behind firewall so as to minimize security concerns	Public Cloud	Protected Cloud	Hybrid Cloud	Private Cloud	Option4

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108	Which cloud provider is having the highest market share in industry?:	Digital Ocean	Microsoft Azure	AWS	GCP	Option3
109	Product-oriented approach of running a program to determine if it has any defects, as well as making sure that the software meets all of the requirements put forth by the stakeholders is?	Quality Control	Quality Assurance	Software Testing	Integration Testing	Option1
110	Process-oriented approach that focuses on making sure that the methods, techniques, and processes used to create quality deliverables are applied correctly	Quality Control	Quality Assurance	Software Testing	Integration Testing	Option2
111	It is a type of software testing performed to identify bugs before releasing the product to real users or to the public.	Beta Testing	System Testing	Unit Testing	Alpha Testing	Option4
112	A document which has a set of conditions or actions that are performed on the software application in order to verify the expected functionality of the feature.	Test Plan	Test Case	SRS	Traceability Matrix	Option2
113	A defect is:	Fault in the software that's detected during testing time	A mistake while coding	Variance between expected and actual	Entire build not working	Option3
114	Choose the Correct Statement from below	Manual Testing is highly susceptible to human error and are risky	Test types like load testing and performance testing are possible manually	Regression tests are not time-consuming if they are done manually	Scope of automation testing is very limited when compared to manual testing	Option1
115	Testing of a previously tested program to ensure that defects have not been introduced or uncovered in unchanged areas of the software, as a result of the changes made is called?	Performance Testing	System Testing	Regression Testing	User Acceptance Testing	Option3
116	Which commands would be the best two to use, in case I want to validate the button has appeared on a page?	verifyTextPresent/assertTextPresent	verifyElementPresent/assertElementPresent	verifyAlertPresent/assertAlertPresent	verifyAlert/assertAlert	Option2
117	Which of the following is the most common way of finding the element on webpage?	Id	xPath	CSS Selector	Model Name	Option1
118	If you wanted do a partial match on an attribute on an element from the beginning of the value in selenium what will be used?	ends-with()	begin-with()	starts-with()	starts()	Option3
119	In Selenium if I want to find anything what I should use?	**	.*	++	+*	Option2
120	Which language is not supported by Selenium	PHP	Java	.Net	ASP	Option4