



BVRIT HYDERABAD College of Engineering for Women

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Bachupally, Hyderabad-090

Department of Computer Science & Engineering

Fill in the Blanks

Year : III **Semester** : III/ I **Regulations** : R18
Course Code : **Course Name** : SOFTWARE ENGINEERING
Academic Year : 2021-2022
Faculty Name(s) : Vinay Raj

UNIT-IV: Syllabus		
S.No	Question	Answer
1	_____ refers to the set of activities that ensure that software correctly implements a specific function	Verification
2	_____ refers to a different set of tasks that ensure that the software that has been built is traceable to customer requirements	Validation
3	_____ is the unavoidable part of any responsible effort to develop a software system.	Testing
4	_____ is incorporated into software throughout the process of software engineering.	Quality
5	Optimism is the occupational hazard of programming, _____ is the treatment.	Testing
6	The _____ is always responsible for testing the individual units of the program.	Software Developer
7	The role of an _____ is to remove the inherent problems associated with letting the builder test the thing that has been built.	Independent Test Group (ITG)
8	The first mistake that people make is thinking that the testing team is responsible for assuring _____	Quality
9	Integration testing is related to _____ part of the software development.	Design
10	_____ has to be specified in a quantifiable manner long before testing commences.	Product requirements
11	_____ focuses verification effort on the smallest unit of software design.	Unit testing
12	_____ focuses on the internal processing logic and data structures within the	Unit Testing

	boundaries of the component.	
13	The relationship between test cases and requirements is shown with the help of ____	traceability matrix
14	_____ is a software testing technique which divides the application input test data into each partition at least once of equivalent data from which test cases can be derived.	Equivalence partitioning testing
15	_____ testing technique involves selection of test cases based on an analysis of the internal structure (Code coverage, branches coverage, paths coverage, condition coverage etc.) of a component or system.	White box
16	White box is also known as _____	Code-Based testing or Structural testing
17	_____ is the term used for an approach to creating a test strategy that is based on prioritizing tests by risk.	Risk-based testing
18	During _____ method, the code is not executed and it is performed using the software documentation.	Static testing
19	To perform _____ testing the code is required to be in an executable form.	Dynamic testing
20	_____ is usually performed after unit and functional testing	Integration testing
21	_____ is the detailed recording and updating of information for hardware and software components.	Configuration management
22	_____ is finding defects when the system under goes testing as a whole, it is also known as end to end testing	System testing
23	_____ involves running a product through a series of specific tests which determines whether the product will meet the needs of its users.	UAT
24	Error condition hiding another error condition is called as _____	Fault Masking
25	Full form of COTS: _____	Commercial off The Shelf
26	The main purpose of the _____ strategy is to specify which modules to combine when and how many at once.	integration
27	_____ is the software testing method which is used to test the software without knowing the internal structure of code or program.	Black box testing
28	_____ is normally used to evaluate a product to determine its suitability for intended use and to identify discrepancies	Technical Review
29	A _____ technique is sometimes also referred to as a 'cause-effect' table.	decision table
30	In _____ techniques, people's knowledge, skills and background are a prime contributor to the test conditions and test cases.	experience-based
31	On average, _____ of defects occur during design and _____ during the execution phase.	60% and 40%
32	The IEEE Std. 829-1998 defines a _____ as a chronological record of relevant details about the execution of test cases.	test log
33	In _____ technique, testing data is generated randomly often using a tool or automated mechanism.	Random testing
34	Random testing often known as _____.	monkey testing

35	Testing the end to end functionality of the system as a whole is defined as a _____	functional system testing
36	During _____ should the configuration management procedures be implemented.	test planning
37	_____ is a software metric that measure the logical strength of the program.	Cyclomatic complexity
38	_____ refine software, including requirements and design models, code, and testing data.	Software reviews
39	A _____ is a software quality control activity.	formal technical review (FTR)
40	_____ testing is used to ensure that the system meets the needs of the organization and the end user or customer	Acceptance testing
41	The purpose of _____ is to determine when to stop testing	test completion criterion
42	_____ ensures the original fault has been removed	Re-testing
43	_____ defects are defects occur when the functionality which was once working normally has stopped working.	Regression
44	_____ is a method that translates the needs of the user into a technical requirement.	Quality Function Deployment (QFD)
45	_____ is the process of establishing services which the user required from the system and constraint under which it operates and is developed.	Requirement engineering
46	_____ is Integration Testing and frequently used when software products are being developed.	Smoke testing
47	The _____ testing is attesting in which the customer tests the version of complete software under the supervision of the developer.	alpha
48	The _____ testing is a testing in which the customer tests the version of the software without the developer being present.	beta
49	_____ is the phase of anticipating hurdles in carrying out the original plan and providing alternate methods so that the impact on the anticipated initially outcome is minimal.	Risk management
50	_____ is ensuring that the delivered software has the least number of defects possible.	Quality Assurance