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SR.NO	Project NAME	Technology
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2	PG Mates / RoomSharing / Flat Mates	React+Springboot+MySql
3	Tour and Travel management System	React+Springboot+MySql
4	Election commition of India (online Voting System)	React+Springboot+MySql
5	HomeRental Booking System	React+Springboot+MySql
6	Event Management System	React+Springboot+MySql
7	Hotel Management System	React+Springboot+MySql
8	Agriculture web Project	React+Springboot+MySql
9	AirLine Reservation System / Flight booking System	React+Springboot+MySql
10	E-commerce web Project	React+Springboot+MySql
11	Hospital Management System	React+Springboot+MySql
12	E-RTO Driving licence portal	React+Springboot+MySql
13	Transpotation Services portal	React+Springboot+MySql
14	Courier Services Portal / Courier Management System	React+Springboot+MySql
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17	Gym Management System	React+Springboot+MySql
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25	RealEstate Property Project	React+Springboot+MySql
26	Marriage Hall Booking Project	React+Springboot+MySql
27	Online Student Management portal	React+Springboot+MySql
28	Resturant management System	React+Springboot+MySql
29	Solar Management Project	React+Springboot+MySql
30	OneStepService LinkLabourContractor	React+Springboot+MySql
31	Vehical Service Center Portal	React+Springboot+MySql
32	E-wallet Banking Project	React+Springboot+MySql
33	Blogg Application Project	React+Springboot+MySql
34	Car Parking booking Project	React+Springboot+MySql
35	OLA Cab Booking Portal	React+Springboot+MySql
36	Society management Portal	React+Springboot+MySql
37	E-College Portal	React+Springboot+MySql
38	FoodWaste Management Donate System	React+Springboot+MySql
39	Sports Ground Booking	React+Springboot+MySql
40	BloodBank mangement System	React+Springboot+MySql
41	Bus Tickit Booking Project	React+Springboot+MySql
42	Fruite Delivery Project	React+Springboot+MySql
43	Woodworks Bed Shop	React+Springboot+MySql
44	Online Dairy Product sell Project	React+Springboot+MySql
45	Online E-Pharma medicine sell Project	React+Springboot+MySql
46	FarmerMarketplace Web Project	React+Springboot+MySql
47	Online Cloth Store Project	React+Springboot+MySql
48		React+Springboot+MySql
49		React+Springboot+MySql
50		React+Springboot+MySql

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## Agile Methodology MCQ Quiz

**Q1. Select the option that suits the Manifesto for Agile Software Development:**

- A. Working software
- B. Individuals and interactions
- C. Customer collaboration
- D. All of the above**

**Q2. Agile Software Development is based on:**

- A. Linear Development
- B. Incremental Development
- C. Both Incremental and Iterative Development**
- D. Iterative Development

**Q3. Which one of the following is not an agile method?**

- A. 4GT**
- B. AUP
- C. XP
- D. None

**Q4. Agility is defined as the ability of a project team to respond rapidly to a change:**

- A. True
- B. False**

**Q5. How is plan driven development different from agile development ?**

- A. Specification, design, implementation and testing are interleaved
- B. Outputs are decided through a process of negotiation during the software development process
- C. Iteration occurs within activities**
- D. All of the above

**Q6. How many phases are there in Scrum ?**

A. Scrum is an agile method which means it does not have phases

**B. Three**

C. Two

D. Four

**Q7. Agile methods seem to work best when team members have a relatively high skill level:**

**A. True**

B. False

**Q8. Which of the following does not apply to agility to a software process?**

A. Only essential work products are produced

**B. Eliminate the use of project planning and testing**

C. Uses incremental product delivery strategy

D. None

**Q9. Which three framework activities are present in Adaptive Software Development(ASD) ?**

**A. speculation, collaboration, learning**

B. analysis, design, coding

C. requirements gathering, adaptive cycle planning, iterative development

D. All of the above

**Q10. In agile development it is more important to build software that meets the customers' needs today than worry about features that might be needed in the future.**

**A. True**

B. False

**Q11. Which of the following is delivered at the end of the Sprint?**

A. An architectural design of the solution

**B. An increment of Done software**

C. A document containing test cases for the current sprint

D. Wireframes designs for User Interface

**Q12. Product Backlog should be ordered on the basis of?**

- A. The complexity of the items being delivered
- B. Based on the Scrum Team choice
- C. Value of the items being delivered**
- D. Size of the items being delivered

**Q13. In an Agile environment, what is the main responsibility of a tester?**

- A. Send test execution reports to the stakeholders
- B. There is no role as a Tester in Scrum**
- C. Finding bugs
- D. Create automation scripts

**Q14. When is a Sprint Retrospective ceremony performed?**

- A. At the end of each Sprint**
- B. Whenever needed
- C. Whenever the team suggests
- D. Whenever the Scrum Master suggests

**Q15. What is a Sprint Review?**

- A. Activity to seek approval for the work done
- B. Activity to improve Scrum Processes
- C. Activity to plan for the release
- D. Activity to Introspect and Adapt**

**Q16. .... is not an agile method:**

- A. Waterfall**
- B. Crystal
- C. Scrum
- D. Extreme Programming

**Q17. ....four framework activities found in the Extreme Programming(XP):**

- A. planning, analysis, coding, testing
- B. analysis, design, coding, testing
- C. planning, design, coding, testing**
- D. planning, analysis, design, coding

**Q18. In Scrum, when is a Sprint Over?**

- A. After completing all the Sprint Backlog tasks
- B. After completing the final testing
- C. When the time box expires**
- D. After completing all the Sprint Backlog Items

**Q19. Select the option that suits the Manifesto for Agile Software Development:**

- A. Working software
- B. Individuals and interactions
- C. Customer collaboration
- D. All of the given options**

**Q20. BurnDown Chart represents .....**

- A. The velocity of the team
- B. The capacity of the team members
- C. Amount of remaining work with respect to time**
- D. Project Progress

**Q21. Which of the following is the BEST approach for estimation?**

- A. Analogy
- B. Expert opinion
- C. Disaggregation
- D. A combination of all of the above**

**Q22. When forming an Agile project team it is BEST to use:**

- A. Top management officials
- B. Generalized Specialists**
- C. Highly specialized developers
- D. All of the above

**Q23. How is Agile planning different from the traditional approach to planning?**

- A. Agile planning places emphasis on the plan
- B. Agile planning is non iterative
- C. Agile planning places emphasis on planning and is iterative**
- D. Agile planning is done only once

**Q24. The 10CCSS of testing Delivered or “done done” stones is known as:**

- A. Release Testing
- B. Exploratory Testing**
- C. Unit Testing
- D. Integration Testing

**Q25. Which of the following is NOT one of the five core risk areas common to all projects?**

- A. Strategic Alienation**
- B. Specification Breakdown
- C. Scope Creep
- D. Intrinsic Schedule Flaw

**Q26. A Persona used within an Agile user story can be thought of as:**

- A. A formally-assigned user-acceptance tester
- B. An imaginary representation of a user role**
- C. A person who will only use the application infrequently
- D. A person who will influence early adopters of the application

**Q27. Who prioritizes product backlog?**

- A. Scrum master
- B. Scrum team
- C. Product owner**
- D. none

**Q28. Which skills are required by Agile tester?**

- A. Keen to learn and adopt new technology
- B. Domain knowledge
- C. Effective communicator who maintains good relationship with development team
- D. All of these**

**Q29. If a team can complete 10 story points in an iteration then how long will it take for the team to complete 100 story points?**

- A. 10 weeks
- B. 20 Iterations
- C. 10 Iterations**
- D. 20 weeks

**Q30. How does tools like FIT and Fitness compliment Agile?**

- A. Code coverage metrics
- B. Unit Test
- C. Automated Acceptance Tests**
- D. Continuous Integration

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## **AWS MCQ Quiz**

**Q1. AWS stands for \_\_\_\_.**

- A. Amazon Web Services**
- B. Amazon World Services
- C. Active Web Services
- D. None of the above

**Q2. Which is a fully managed desktop computing service?**

- A. Amazon WorkSpaces**
- B. Amazon Glacier Brainly
- C. AMI
- D. None of the above

**Q3. What is AWS?**

- A. it is a collection of remote computing services also known as a cloud computing platform.**
- B. The popularization of the Internet actually enabled most cloud computing systems.
- C. Amazon Transfer Acceleration
- D. None of the above

**Q4. Which of the following services are free in AWS?**

- A. AWS CodePipeline
- B. AWS CodeCommit
- C. AWS CodeBuild
- D. All of the above**

**Q5. What is VPC(Virtual Private Cloud)?**

- A. It allows to customise your networking configuration.**
- B. It throttles the data transfer up to 300 percent using optimized network paths and Amazon Content Delivery Network.
- C. It delivers the content directly from the origin server.
- D. None of the above

**Q6. Which of the following is an essential concept related to Cloud?**

- A. Reliability
- B. Abstraction**
- C. Productivity
- D. All of the mentioned

**Q7. What type of computing technology refers to services and applications that typically run on a distributed network through virtualised resources?**

- A. Distributed Computing
- B. Cloud Computing**
- C. Soft Computing
- D. Parallel Computing

**Q8. EC2 Machine types define which of the following?**

- A. AWS Region
- B. Core Count**
- C. User Location
- D. None of the above

**Q9. What is the name of AWS CEO or Chief?**

- A. Jeff Bezos**
- B. Lisa Su
- C. Denise Morrison
- D. None of the above

**Q10. What is a Redshift?**

- A. Redshift is a big data warehouse product.**
- B. A bigger RDS instance
- C. Both A and B
- D. None of the above

**Q11. Is the property of broadcast or multicast supported by Amazon VPC?**

- A. Yes
- B. No**

**Q12. What are key-pairs in AWS?**

- A. secure login information for your virtual machines**
- B. scale as per the predictable traffic patterns
- C. access management to control access to your AWS resources
- D. None of the above

**Q13. \_\_\_\_ is a function that allows you to provision and launch new instances whenever there is a demand.**

- A. Auto-scaling**
- B. Geo-targeting
- C. Cloud Formation
- D. None of the above

**Q14. What does an AMI include?**

- A. Launch permissions decide which AWS accounts can avail the AMI to launch instances.
- B. A template for the root volume for the instance.
- C. A block device mapping that determines the volumes to attach to the instance when it is launched.
- D. All of the above**

**Q15. S3 stands for \_\_\_\_.**

- A. Simple Storage Service**
- B. Simple Storage Science
- C. Side Storage Service
- D. None of the following

**Q16. In which year, Amazon Web Services founded?**

- A. 2005
- B. 2006**
- C. 2007
- D. 2008

**Q17. EC2 stands for ?**

- A. Elastic Configuration Cloud
- B. Elastic Cloud Configuration
- C. Elastic Cloud Compute
- D. Elastic Compute Cloud**

**Q18. Which of the following is not used for load balancing?**

- A. Zeus
- B. HAProxy
- C. Nginx
- D. OpenSwan**

**Q19. Which of the following is a web service that manages the memory cache in the cloud?**

- A. Amazon Elastic Cache**
- B. Amazon RDS
- C. RDMS on EC2
- D. Auto Scaling

**Q20. Which of the following allows you to create instances of the MySQL database to support your Web sites?**

- A. Amazon Elastic Compute Cloud
- B. Amazon Simple Queue Service
- C. Amazon Relational Database Service**
- D. Amazon Simple Storage System

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## Cloud Computing MCQ Questions with Answers

**Q1. Point out the correct statement.**

- A. The use of the word “cloud” makes reference to the two essential concepts
- B. cloud computing is nothing more than the Internet
- C. Cloud computing abstracts systems by pooling and sharing resources**
- D. All of the mentioned

**Q2. Which of the following is the deployment model?**

- A. public
- B. private
- C. hybrid
- D. all of the mentioned**

**Q3. Which of the following is best known service model?**

- A. SaaS
- B. PaaS
- C. IaaS
- D. All of the mentioned**

**Q4. How many types of dimensions exists in Cloud Cube Model?**

- A. 3
- B. 6
- C. 4**
- D. 1

**Q5. How many types of security boundary values exist in Cloud Cube model?**

- A. 1
- B. 2**
- C. 3
- D. None of the mentioned

**Q6. Which of the following is essential concept related to Cloud?**

- A. Reliability
- B. Abstraction**
- C. Productivity
- D. All of the mentioned

**Q7. Which of the following cloud concept is related to pooling and sharing of resources?**

- A. Virtualization**
- B. Abstraction
- C. Polymorphism
- D. None of the mentioned

**Q8. Which of the following can be identified as cloud?**

- A. Hadoop**
- B. Intranet
- C. Web Applications
- D. All of the mentioned

**Q9. Which of the following is Cloud Platform by Amazon?**

- A. Cloudera
- B. Azure
- C. AWS**
- D. All of the mentioned

**Q10. Which of the following is Cloud Platform by Amazon?**

- A. Cloudera
- B. Azure
- C. AWS**
- D. All of the mentioned

**Q11. Which of the following is related to the service provided by Cloud?**

- A. Ownership
- B. Reliability
- C. Sourcing**
- D. AaaS

**Q12. How many types of service model are mainly present in Cloud?**

- A. 1
- B. 2
- C. 3**
- D. 4

**Q13. CaaS stands for \_\_\_\_\_ as service.**

- A. Compliance
- B. Communication**
- C. Community
- D. Computer

**Q14. Which of the following is the IaaS service provider?**

- A. EC10
- B. EC2**
- C. EC1
- D. Hybrid

**Q15. Which of the following was one of the top 5 cloud applications in 2010?**

- A. Cloud backup
- B. Business applications
- C. Web applications
- D. All of the mentioned**

**Q16. The \_\_\_\_\_ is something that you can obtain under contract from your vendor.**

- A. SoS
- B. PoS
- C. QoS
- D. All of the mentioned**

**Q17. Cloud computing is a \_\_\_\_\_ system and it is necessarily unidirectional in**

**nature.**

- A. stateless**
- B. stateful
- C. reliable
- D. all of the mentioned

**Q18. You can't count on a cloud provider maintaining your \_\_\_\_\_ in the face of government actions.**

- A. privacy**
- B. reliability
- C. scalability
- D. none of the mentioned

**Q19. Which of the following is one of the unique attributes of Cloud Computing?**

- A. elasticity
- B. low barrier to entry
- C. utility type of delivery
- D. All of the mentioned**

**Q20. \_\_\_\_\_ is a pay-as-you-go model matches resources to need on an ongoing basis.**

- A. Elasticity
- B. Utility**
- C. Low barrier to entry
- D. All of the mentioned

**Q21. A \_\_\_\_\_ is a facility that is a self-contained semiconductor assembly line.**

- A. rep
- B. fab**
- C. touch
- D. all of the mentioned

**Q22. How many laws exist for Cludonomics by Weinman?**

- A. 4
- B. 5
- C. 10**
- D. 15



**Q23. Cutting latency in half requires \_\_\_\_\_ times the number of nodes in a system.**

- A. four**
- B. two
- C. three
- D. seven

**Q24. The reliability of a system with  $n$  redundant components and a reliability of  $r$  is \_\_\_\_\_**

- A.  $1-(1+r)^n$
- B.  $1+(1-r)^n$
- C.  $1-(1-r)^n$**
- D. All of the mentioned

**Q25. The peak of the sum is never \_\_\_\_\_ than the sum of the peaks.**

- A. equal to
- B. smaller
- C. greater**
- D. none of the mentioned

**Q26. Which of the following subject area deals with pay-as-you-go usage model?**

- A. Compliance
- B. Data Privacy
- C. Accounting Management**
- D. All of the mentioned

**Q27. Which of the following captive area deals with monitoring?**

- A. Licensed
- B. Low
- C. Variable but under control**
- D. All of the mentioned

**Q28. Network bottlenecks occur when \_\_\_\_\_ data sets must be transferred.**

- A. small
- B. big
- C. large**
- D. all of the mentioned

**Q29. Cloud \_\_\_\_\_ are standardized in order to appeal to the majority of its audience.**

- A. SLAs**
- B. SVAs
- C. SALs
- D. None of the mentioned

**Q30. The overhead associated with \_\_\_\_\_ staff is a major cost.**

- A. Data Center
- B. Non IT
- C. IT**
- D. All of the mentioned

**Q31. \_\_\_\_\_ is surely an impediment to established businesses starting new enterprises.**

- A. Capitalization**
- B. Globalization
- C. Proposition
- D. None of the mentioned

**Q32. Which of the following is specified parameter of SLA?**

- A. Response times
- B. Warranties
- C. Responsibilities of each party
- D. All of the mentioned**

**Q33. Which of the following service is used for backing up a licensed computer?**

- A. Carbonite**
- B. CarbonT
- C. Karbonite
- D. None of the mentioned

**Q34. Communication between services is done widely using \_\_\_\_\_ protocol.**

- A. RESTful
- B. REST
- C. SOAP**
- D. None of the mentioned

**Q35. Which of the following benefit is provided by the PaaS service provider?**

- A. A logical design methodology
- B. More reliable operation
- C. A larger pool of qualified developers
- D. All of the mentioned**

**Q36. A \_\_\_\_\_ service provider gets the same benefits from a composable system that a user does.**

- A. CaaS
- B. PaaS**
- C. AaaS
- D. All of the mentioned

**Q37. Which of the following component is called hypervisor?**

- A. VMM**
- B. VGM
- C. VMc
- D. All of the mentioned

**Q38. Amazon Machine Images are virtual appliances that have been packaged to run on the grid of \_\_\_\_\_ nodes.**

- A. Zen
- B. Ken
- C. Ben
- D. Xen**

**Q39. \_\_\_\_\_ is a CPU emulator and virtual machine monitor.**

- A. QEMU**
- B. Parallels
- C. Imaging

D. None of the mentioned

**Q40. Which of the following is a specification for multicast discovery on a LAN?**

**A. WS-Discovery**

B. WS-SOAP

C. WS-Agent

D. All of the mentioned

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## Devops MCQ Quiz & Online Test:

**Q1. Which one of the following methodologies does least impact the establishment of Devops methodology?**

- A. Agile Software Delivery
- B. Waterfall Software Delivery**
- C. Lean Manufacturing
- D. Continuous Software Delivery

**Q2. In typical IT organization why is there a typical conflict between development and operations teams?**

- A. Because operations team knows more about test and production environments
- B. Because they come from different backgrounds
- C. Because they have conflicting business goals and priorities.**
- D. Because development team knows more about software products and services

**Q3. Which one of the following techniques makes Devops a successful methodology to develop and deliver software?**

- A. DevOps enables you to create your software with built-in quality and monitoring
- B. DevOps enables you to quickly identify, fix and learn from errors
- C. DevOps enables you to organize your teams around your organizational mission
- D. All of these**

**Q4. Which one of the following statements about Devops is incorrect?**

- A. DevOps is suitable for brownfield software products and services
- B. Some of the most exemplary DevOps initiatives started in companies with giant and mature IT organizations
- C. DevOps is suitable for greenfield software products and services
- D. DevOps is only suitable for start-up companies**

**Q5. How does a Devops organization act in principle when it comes to financing its work?**

- A. It finances products and services to serve its clients**

- B. It finances development and operations teams separately, so they take care of their own business
- C. It finances teams in matrix organizations and these teams are responsible for handling their own budgets
- D. It finances special projects to serve its clients

**Q6. In a Devops organization which one of the following elements does not directly contribute to your value stream?**

- A. Clients
- B. Errors, incidents and fixes**
- C. Devops team
- D. Stakeholders of downstream work center

**Q7. Why is it a good idea to limit batch size of your continuous Devops deliveries?**

- A. Potentially required rollbacks from your production systems will be less cumbersome
- B. You will be quicker to identify root causes of issues and resolve them
- C. By continuously delivering in production, your team will have the constant pride of contributing your organizational mission
- D. All of the above**

**Q8. What is trunk in trunk based Devops delivery?**

- A. Trunk is a special private branch in a developer workstation
- B. Trunk is the process of merging code in Devops deliveries
- C. Developers collaborate on code in a single branch called trunk**
- D. Trunk is a special source code version controlling system which stores mission critical special projects of your Devops organization

**Q9. Which one of the following is not one of the Devops principles for good test automation?**

- A. Never mix test driven development (TDD) together with your test automation approach**
- B. With your test automation, avoid slow and periodic feedback. What you need is fast feedback whenever you or your developer attempts to check-in code to your trunk
- C. Test Automation should give quick and early feedback about your quality of work
- D. Tests should generate consistent, deterministic and repeatable results provided same conditions for different test runs

**Q10. Which one of following release patterns does not enable you to do low risk Devops code deployments in your production systems?**

- A. Blue-Green Deployment Pattern

**B. Big bang code deployments of fully tested and validated releases**

C. Canary Deployment Pattern

D. Cluster Immune System Release Pattern

**Q11. What is one of best techniques to convert normal changes into standard changes?**

A. Publicly complain about bureaucracy and make everyone be aware of it

B. Negotiate with release managers

C. Make sure normal changes are very carefully deployed to your production systems

**D. Use your track record of successful automated deployments with standard changes**

**Q12. What is a widely used reusable asset to reinforce information security of deliver from your Devops team?**

A. Handling the logging of sensitive client information

B. Data transfer between clients and software

C. Data storage systems

**D. All of these**

**Q13. System Testing is a....**

A. White box testing

B. Grey box testing

**C. Black box testing**

D. Both a and b

**Q14. What is not one of major benefits of designing a safe system of work culture?**

A. Problems are quickly resolved while they are small. Resolving problems will result in spontaneous construction of new organizational knowledge and experience

B. Leaders in your DevOps organization develop other leaders who create and continuously improve safe systems of work

**C. DevOps team does no longer need to be careful and mindful to ensure quality**

D. Complexity of your systems will be managed, so problems in designs and operations will be quickly detected

**Q15. What is telemetry?**

**A. Telemetry is the process of recording the behaviour of your systems**

B. Telemetry is a communication tool used by Devops teams at geographically distributed locations

C. Telemetry is a tool to design, code and execute automated unit tests

D. Telemetry is a widely known SaaS tool to plan and execute Devops projects

**Q16. In terms of fixing errors in your production systems what is the major benefit of using feature toggles embedded in configurations of your software applications?**

- A. Your DevOps team can take time to properly identify root cause of an issue and improve their techniques to ensure such a problem will not likely happen again in the future
- B. This is easiest way to fix a problem. It doesn't require an urgent code deployment
- C. You don't have to very urgently correct erroneous pieces in your deployment
- D. All of the above**

**Q17. What is a benefit of having Development and Operations using a shared tool?**

- A. This is a benefit that Development shares when doing pager rotation duties with Operations
- B. With a unified backlog everyone prioritizes improvement projects from a global perspective, selecting work that has the highest value to the organization or has the most impact on reducing the technical debt**
- C. This is a benefit of automating and enabling low-risk releases
- D. This is a benefit of embedding Operations engineers into our service teams

**Q18. What is the difference between a System of Engagement (SoE) and a System of Records (SoR) in terms of pace of change?**

- A. SoE typically has a much higher pace of change than SoR
- B. A common statement can be given. SoE typically has a much higher pace of change than SoR.
- C. SoE typically has a much higher pace of change than SoR.
- D. The pace of change for SoE is higher since it represents the user interface. Additionally, SoR is more complex to change**

**Q19. What are the useful plugins in Jenkin?**

- A. Amazon EC2
- B. HTML Publisher
- C. Maven 2 Project
- D. All of the above**

**Q20. Which test must be performed first?**

- A. Automated Integration Test
- B. Automated Component Test
- C. Automated Unit Test**
- D. Automated API Test

**Q21. Which is a characteristic of an architecture that enables productivity, test ability**



and safety?

- A. Well-defined APIs**
- B. Loosely-defined interfaces
- C. Tightly-coupled
- D. none

**Q22. Which is not one of those three layers?**

- A. Business Metrics**
- B. Operating System
- C. Application
- D. Business Logic

**Q23. For which audience does self-service access telemetry add value?**

- A. Developers and operators only
- B. Developers, operators and stakeholders only
- C. Developers only
- D. Developers, operators, stakeholders and customers**

**Q24. Which is a unique characteristic of the Hands-Off Readiness Review (HRR) and not of the Launch Readiness Review (LRR)?**

- A. HRR is self-reported by the product teams
- B. HRR is signed off before any new service is made publicly available
- C. HRR is far more stringent and has higher acceptance standards.**
- D. HRR is signed off before any new service receives live production traffic

**Q25. What is the best description of contextual inquiry?**

- A. The product team observes users who use the application in their natural environment.**
- B. The product team interviews users on the use of the application at home.
- C. The product team studies users during the user acceptance test in a special room with test equipment.
- D. The product team asks users to respond to an application demonstration by the product team.

**Q26. What approach can be used by a Development team to aid in the delivery of expected business outcomes?**

- A. Hypothesis-driven development**
- B. SDLC

- C. Full regression testing
- D. Careful execution of numerous experiments

**Q27. What else must be included in a good pull request?**

- A. The potential risks and countermeasures of implementing the fix**
- B. The business units impacted by the fix
- C. The supporting release schedule for implementing the fix
- D. none

**Q28. "The developer walks through the code while a colleague gives feedback." Which review technique is described here?**

- A. Pair programming
- B. Over-the-shoulder**
- C. Peer review
- D. Tool-assisted review

**Q29. Which review technique results directly in a decrease in coding errors?**

- A. Over-the-shoulder review
- B. Peer review
- C. Pair programming**
- D. Tool-assisted review

**Q30. "A cloud service provider wants to increase the capacity of their service by using a Simian Army Monkey" Which Monkey is needed in this case?**

- A. Latency Monkey
- B. Janitor Monkey**
- C. Doctor Monkey
- D. None

**Q31. What is required when creating resilience by injecting production failures?**

- A. Using a test environment
- B. Organizing post mortem meetings
- C. Training the people
- D. Defining the failure mode**

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## GIT MCQ Quiz

**Q1. Which Command is used to show limited number of commits?**

- A. git status
- B. git config
- C. git log -n**
- D. git fetch

**Q2. Which command defines the author email to be used for all commits by the current user:**

- A. git config --global user.email**
- B. git email--amend
- C. git merge --no-ff
- D. git clean -f

**Q3. .... command is useful for getting a high-level overview of the project history:**

- A. git reset --hard
- B. git rebase
- C. git log --oneline**
- D. git log --author=""

**Q4. Command to download all the objects and references from a specified repository:**

- A. git log -n
- B. git config --list
- C. git help
- D. git fetch**

**Q5. Which Git command displays the patch representing each commit:**

- A. git branch
- B. git log -p**
- C. git log
- D. git remote -v

**Q6. Which of the following git command that downloads your repository from GitHub to your computer?**

- A. git clone**
- B. git commit
- C. git fork
- D. git push

**Q7. Which of the following shortcut to staging all the changes you have?**

- A. git add**
- B. git commit
- C. git commit add
- D. git push -am "Message"

**Q8. What is full form of VCS?**

- A. Version Configuration Solutions
- B. Version Configuration System
- C. Version Control System**
- D. Version Consolidated Solutions

**Q9. Git is a;**

- A. Localized version control system
- B. Distributed version control system**
- C. Centralized version control system
- D. None

**Q10. Which of the following is true about Centralized version control system?**

- A. It is victim to single point of failure
- B. It does not rely on the central server
- C. It rely on the central server
- D. Both A and C**

**Q11. The files that can be committed are always present in git:**

- A. staging area**
- B. unstaged area
- C. working directory
- D. none

**Q12. Git can be used for which project?**

- A. .Net project
- B. File version management
- C. Java enterprise project
- D. All of the above**

**Q13. Which of the following terminology is not related to git?**

- A. branch
- B. stem**
- C. fork
- D. staging area

**Q14. Which of the following is not true about git?**

- A. Pull operation copies the changes from a local repository to remote repository**
- B. By default Git has a master branch
- C. Git clone operation creates the instance of the repository.
- D. none

**Q15. Which of the following git command can be used to check the stored stashes?**

- A. git stash
- B. git stash map
- C. git stash list**
- D. git stash set

**Q16. Which of the following option is not valid with git stash command?**

- A. git stash list pop
- B. git stash list clear
- C. git stash list push**
- D. git stash changes

**Q17. Which of the following statement is true about git ignore file?**

- A. We can create multiple ignore files in a different directory.
- B. The .gitignore file contains all the formats and files that should be ignored while commit
- C. Both of the above.**
- D. None

**Q18. Which command helps us to see the tracked, untracked files and changes but does not show any commit records?**

- A. git diff
- B. git status**
- C. git log
- D. None of these

**Q19. Git log command contains following data:**

- A. commit date metadata
- B. commit hash
- C. commit author metadata
- D. All of the above**

**Q20. git log --oneline command will display:**

- A. the first seven characters of the SHA
- B. one commit per line
- C. the commit message
- D. Only A, B & C**

**Q21. The reference to the remote repository from where a project was initially cloned is called :**

- A. tag
- B. index
- C. head
- D. origin**

**Q22. Tags in git can be:**

- A. heavy-weighted tag
- B. light-weighted tag
- C. annotated tag
- D. Only B & C**

**Q23. Which is the correct git command to add files to the repository?**

- A. git add fileName**
- B. git add
- C. Both of the above.
- D. None

**Q24. Which of the following is the correct git command to commit changes with proper message?**

- A. git commit -m "message"**
- B. git commit -a "message"
- C. git commit "message"
- D. None of these

**Q25. Which of the following git command helps to add multiple changes at the same time?**

- A. git add**
- B. git add ...
- C. git add -all
- D. git add . "fileName"

**Q26. What does the below git command indicates? git add \*.java**

- A. The above command will exclude all the Java files while staging
- B. It will give error - "invalid command"
- C. The above command will commit all the Java files
- D. The above command will stage all the Java source files**

**Q27. Which of the following is git tool?**

- A. GitK
- B. Git Bash
- C. Git GUI
- D. All of the above**

**Q28. .... is a version of the repository that diverges from the main working project:**

- A. master
- B. fork
- C. branch**

D. clone

**Q29. Which of the following are type of reset facility available in git?**

A. hard

**B. soft**

C. mixed

**Q30. Who created Git?**

A. Dennis Ritchie

B. Linus Babbage

**C. Linus Torvalds**

D. James Gosling

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## Selenium MCQ Quiz

**Q1. Which of the following language is not supported by Selenium?**

- A. PHP
- B. C#
- C. ASP**
- D. Java

**Q2. Which of the following method is used to work with multiple browser windows?**

- A. getMultipleWindows()
- B. getWindowHandles()
- C. getWindowhandle()
- D. Both B & C**

**Q3. Which one is a class in Selenium?**

- A. WebDriverWait**
- B. WebElement
- C. WebDriver
- D. getPageSource

**Q4. Selenium command for entering text into text boxes?**

- A. sendKey()
- B. sendKeys()**
- C. sendKey
- D. SendsKeys()

**Q5. Which of the following is not a wait command in Selenium?**

- A. waitForAlert
- B. waitForActive**
- C. waitForTitle
- D. None of these

**Q6. Select the odd one using in Selenium \_\_\_\_.**

**A. Pattern Matching**

B. XPath

C. Id

D. CSS selector

**Q7. What is the best call for finding multiple elements using XPath?**

**A. findElementsByXPath**

B. findElementByXPath

C. findElementByCssSelector

D. None of the above

**Q8. Is Web Driver a component of the Selenium?**

**A. Yes**

B. No

**Q9. Can Google chrome be supported by Selenium IDE?**

A. Yes

**B. No**

**Q10. Select the command that will NOT wait for a new page to load before moving onto the next command.**

A. clickAndWait

**B. selectAndType**

C. typeAndWait

D. selectAndWait

**Q11. The Selenium \_\_\_\_.**

A. provides professional customer support

B. test Reports are generated automatically

C. comes with a built-in object repository

**D. cannot access elements outside of the web application under test**

**Q12. In Selenium variables are stored in \_\_\_\_.**

- A. storedVars**
- B. storedVariables
- C. VariablesStore
- D. All of the above

**Q13. Can Unix operating system be supported by Selenium IDE?**

- A. Yes
- B. No**

**Q14. What does the assertTitle checks?**

- A. Page title**
- B. Block title
- C. Title of an element under focus
- D. Element title

**Q15. What is Selenium IDE?**

- A. Windows Software
- B. Firefox Plug-in**
- C. Java Software
- D. Flash Plug-in

**Q16. \_\_\_\_ is an Advantage of Selenium WebDriver?**

- A. Supports Web based Applications only
- B. No built-in Result Reporting facility
- C. Open Source**
- D. None of the above

**Q17. Selenium supports \_\_\_\_ Testing Level.**

- A. Unit Testing
- B. Integration Testing
- C. System Testing**
- D. Beta Testing

**Q18. \_\_\_\_\_ is the use of Firebug in Selenium?**

- A. Programming

**B. Inspecting Elements**

C. Parallel Testing

D. Cross Browser Testing

**Q19. What is Maven?**

A. Testing Framework

**B. Build Automation Tool**

C. Test Tool

D. Programming Language

**Q20. What is TestNG?**

**A. a testing framework inspired from JUnit and NUnit**

B. programming language

C. Platform

D. None of the above

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## **Software Engineering MCQ Quiz**

**Q1. Choose the correct option in terms of Issues related to professional responsibility?**

- A. Confidentiality
- B. Managing Client Relationships
- C. Intellectual property rights
- D. Both Confidentiality & Intellectual property rights**

**Q2. The reason for software bugs and failures is due to.**

- A. Software companies
- B. Software Developers
- C. Both Software companies and Developers**
- D. All of the mentioned

**Q3. What is a Software ?**

- A. Software is set of programs
- B. Software is documentation and configuration of data
- C. Software is set of programs, documentation & configuration of data**
- D. None of the mentioned

**Q4. Which of these does not account for software failure ?**

- A. Low expectation
- B. Increasing Supply**
- C. Increasing Demand
- D. Less reliable and expensive

**Q5. What are attributes of good software ?**

- A. Software maintainability
- B. Software functionality
- C. Software development
- D. Software maintainability & functionality**

**Q6. Which of these software engineering activities are not a part of software processes**

?

- A. Software development
- B. Software validation
- C. Software dependence**
- D. Software specification

**Q7. Which of these does not affect different types of software as a whole?**

- A. Flexibility**
- B. Security
- C. Heterogeneity
- D. Business and social change

**Q8. The fundamental notions of software engineering does not account for ?**

- A. Software Security
- B. Software Validation**
- C. Software reuse
- D. Software processes

**Q9. RAD stands for**

- A. Rapid Application Development**
- B. Relative Application Development
- C. Rapid Application Document
- D. None of the mentioned

**Q10. Which one of the following models is not suitable for accommodating any change?**

- A. RAD Model
- B. Prototyping Model
- C. Build & Fix Model
- D. Waterfall Model**

**Q11. Which is not one of the types of prototype of Prototyping Model?**

- A. Horizontal Prototype
- B. Diagonal Prototype**
- C. Domain Prototype
- D. Vertical Prototype

**Q12. Which one of the following is not a phase of Prototyping Model?**

- A. Coding**
- B. Quick Design
- C. Engineer Product
- D. Prototype Refinement

**Q13. RAD Model has**

- A. 2 phases
- B. 5 phases**
- C. 6 phases
- D. 3 phase

**Q14. Which model can be selected if user is involved in all the phases of SDLC?**

- A. Waterfall Model
- B. RAD Model**
- C. Prototyping Model
- D. both Prototyping Model & RAD Model

**Q15. SDLC stands for**

- A. System Design Life Cycle
- B. Software Design Life Cycle
- C. System Development Life cycle
- D. Software Development Life Cycle**

**Q16. Selection of a model is based on**

- A. Selection of a model is based on
- B. Requirements
- C. Development team & Users
- D. All of the mentioned**

**Q17. Which two models doesn't allow defining requirements early in the cycle?**

- A. Waterfall & RAD
- B. Waterfall & Spiral
- C. Prototyping & RAD
- D. Prototyping & Spiral**

**Q18. One can choose Waterfall Model if the project development schedule is tight.**

- A. True
- B. False**

**Q19. 4GL is an example of \_\_\_\_\_ processing.**

- A. White Box
- B. Black Box
- C. Functional
- D. Both Black Box & Functional**

**Q20. Which of the following is not a type of a 4GL? One originating \_\_\_\_\_**

- A. from GUI creators
- B. on report generators
- C. on Lisp machine**
- D. from database query languages

**Q21. Productivity of software engineers is reduced in using a 4GT.**

- A. True
- B. False**

**Q22. Which one of the following is not a software process quality?**

- A. Productivity
- B. Timeliness
- C. Portability**
- D. Visibility

**Q23. \_\_\_\_\_ & \_\_\_\_\_ are two kinds of software products.**

- A. CAD, CAM
- B. Generic, Customised**
- C. Firmware, Embedded
- D. None of the mentioned

**Q24. Purpose of process is to deliver software**



- A. in time
- B. that is cost efficient
- C. with acceptable quality
- D. both in time & with acceptable quality**

**Q25. Which of the following activities of a Generic Process framework provides a feedback report?**

- A. Communication
- B. Deployment**
- C. Modeling & Construction
- D. Communication

**Q26. Choose an internal software quality from given below:**

- A. usability
- B. scalability
- C. reliability
- D. reusability**

**Q27. Which phase of the RUP is used to establish a business case for the system ?**

- A. Construction
- B. Inception**
- C. Elaboration
- D. Transition

**Q28. The longer a fault exists in software**

- A. the more costly it is to detect and correct
- B. the more tedious its removal becomes
- C. the less likely it is to be properly corrected
- D. All of the mentioned**

**Q29. Agile Software Development is based on**

- A. Linear Development
- B. Incremental Development
- C. Iterative Development
- D. Both Incremental and Iterative Development**

**Q30. Which one of the following is not an agile method?**

- A. XP
- B. AUP
- C. 4GT**
- D. All of the mentioned

**Q31. How many phases are there in Scrum ?**

- A. Two
- B. Four
- C. Three**
- D. Scrum is an agile method which means it does not have phases

**Q32. In XP, as soon as the work on a task is complete, it is integrated into the whole system.**

- A. True**
- B. False

**Q33. In XP Increments are delivered to customers every \_\_\_\_\_ weeks.**

- A. 1
- B. 2**
- C. 3
- D. 4

**Q34. Which four framework activities are found in the Extreme Programming(XP) ?**

- A. planning, design, coding, testing**
- B. planning, analysis, coding, testing
- C. analysis, design, coding, testing
- D. planning, analysis, design, coding

**Q35. What are the types of requirements ?**

- A. Availability
- B. Reliability
- C. Usability
- D. All of the mentioned**

**Q36. Which is one of the most important stakeholder from the following ?**

- A. Managers
- B. Entry level personnel
- C. Middle level stakeholder
- D. Users of the software**

**Q37. The user system requirements are the parts of which document ?**

- A. SDD
- B. DDD
- C. SRS**
- D. SRD

**Q38. How many classification schemes have been developed for NFRs ?**

- A. 2
- B. 3
- C. 4
- D. 5**

**Q39. According to components of FURPS+, which of the following does not belong to S**

- A. Serviceability
- B. Testability
- C. Installability
- D. Speed Efficiency**

**Q40. Does software wear & tear by decomposition ?**

- A. Yes
- B. No**

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## Software Testing MCQ Quiz

**Q1. What are the various Testing Levels?**

- A. Unit Testing
- B. System Testing
- C. Integration Testing
- D. All of the mentioned**

**Q2. What is the main purpose of Software testing?**

- A. to identify errors, gaps or missing requirements in contrast to actual requirements**
- B. to code contents
- C. to produce output
- D. None of the above

**Q3. White Box techniques are also classified as \_\_\_\_.**

- A. Design based testing
- B. Structural testing**
- C. Error guessing technique
- D. None of the mentioned

**Q4. Verification addresses the concern: "Are you building it right?"**

- A. True**
- B. False

**Q5. Validation addresses the concern: "Are you building the right thing?"**

- A. True**
- B. False

**Q6. \_\_\_\_ involves identifying, isolating, and fixing the problems/bugs.**

- A. Debugging**
- B. Testing

- C. Coding
- D. All of the above

**Q7. Which of the following are the Software testing tools used for automation testing?**

- A. HP Quick Test Professional IBM Rational Functional Tester SilkTest TestComplete Testing Anywhere
- B. Selenium
- C. WinRunner
- D. All of the above**

**Q8. \_\_\_ is the technique of testing without having any knowledge of the interior workings of the application.**

- A. Black-Box Testing**
- B. White-box testing
- C. Grey-Box Testing
- D. None of the above

**Q9. What is do you mean by White-box testing?**

- A. The detailed investigation of internal logic and structure of the code.**
- B. The technique of testing without having any knowledge of the interior workings of the application is called black-box testing.
- C. The technique to test the application with having a limited knowledge of the internal workings of an application.
- D. All of the above

**Q10. Which one of the following is not the type of Software testing?**

- A. Automation Testing
- B. Regression Testing
- C. Sanity Testing
- D. Smoke Testing
- E. None of the above**

**Q11. What is Cyclomatic complexity?**

- A. a software metric used to indicate the complexity of a program**
- B. emphasises working in short iterations.
- C. deviates from expectations based on requirements specifications, design documents, standards etc.
- D. None of the above

**Q12. \_\_ is a testing type which checks the robustness of the system beyond the system capacity.**

- A. Spike testing
- B. Scalability testing
- C. Volume testing
- D. Load or Stability testing
- E. Stress testing**

**Q13. Test cases are designed during which of the following stages?**

- A. Test recording
- B. Test configuration
- C. Test planning
- D. Test specification**

**Q14. Which one of the following is not the other name for structural testing?**

- A. Behavioral testing**
- B. Glass box testing
- C. White box testing
- D. None of the above

**Q15. Which one of the following is not a type of incremental testing approach?**

- A. Bottom up
- B. Top down
- C. Big-bang**
- D. Functional incrimination

**Q16. What is Fault Masking?**

- A. Creating a test case which does not reveal a fault
- B. one defect prevents the detection of another**
- C. Masking a fault by developer
- D. Masking a fault by a tester

**Q17. Testing of software with actual data and in actual environment is known as?**

- A. Regression testing
- B. Beta testing**
- C. Alpha testing

D. None of the above

**Q18. Which of the following is not a Software Testing Life Cycle Phase?**

- A. Requirements Analysis
- B. Test Planning
- C. Test Closure
- D. Coding**

**Q19. Which of the following statements is not true?**

- A. Acceptance Testing determines if system is ready for release
- B. Acceptance Testing checks whether system meets needs and expectations
- C. Acceptance Testing helps to find defects in system**
- D. Acceptance Testing is responsibility of user

**Q20. Agile Development Testing is treated as a separate phase.**

- A. True
- B. False**

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