

Q.1. Agile Software Development is based on

- Incremental Development
- Iterative Development
- Both of the above
- Waterfall Model

Q.2. \_\_\_\_\_ Testing

- i) Performed by end-users and also by testers and developers
- ii) Based on external expectations
- iii) Exhaustive and the least timeconsuming
- iv) The internal workings need not be known

- Black-Box
- Grey-Box
- White-Box
- None of these

Q.3. In V model, Validation refers a process of evaluating a system after successfully completion to find out whether \_\_\_\_\_ and \_\_\_\_\_ are meet or not.

- Customer expectations, Requirements
- System development, Testing
- Analysis, design
- None of the mentioned above

Q.4. Which of the following type of virtualization is also characteristic of cloud computing?

- Storage
- Application
- CPU
- All of the mentioned

Q.5. A \_\_\_\_\_ keeps track of the contributions of the developers working as a team on the projects.

- CVS
- DVF
- VCS
- LFS

Q.6. What is the correct sequence of stages of waterfall model?

- Implementation --> Design --> Requirement Specification --> Verification and Testing --> Deployment --> Maintenance
- Implementation --> Design --> Requirement Specification --> Verification and Testing --> Deployment --> Maintenance
- Requirement Specification --> Design --> Implementation --> Verification and Testing --> Deployment --> Maintenance
- Requirement Specification --> Design --> Deployment --> Maintenance --> Implementation --> Verification and Testing

Q.7. The files that can be committed are always present in git

- working directory
- staging area
- unstaged area
- Anywhere, there is no barrier

Q.8. \_\_\_\_\_ is a tool for automating testing web applications & Interacts directly with the browser and uses the browser's engine to control it.

- Selenium
- WebDriver
- jUnit
- JIRA

Q.9. Under which condition the developers should use microservices?

- When they want to develop apps for mobile phones that run quickly
- When they need to create large, enterprise-level applications that are subject to frequent changes
- When they want to develop scientific test equipment applications
- None of the above

Q.10. Match the following problems with their appropriate solutions:

	<b>Problem</b>		<b>Solution</b>
1	Managing and tracking changes in the code is difficult	A	Selenium
2	Incremental builds are difficult to manage, test and deploy	B	Docker
3	Manual testing and deployment of various components/modules takes a lot of time	C	Puppet
4	Ensuring consistency, adaptability and scalability across environments is very difficult task	D	SCM tools
5	Environment dependencies makes the project behave differently in different environments	E	Jenkins

- 1-D, 2-E, 3-A, 4-C, 5-B
- 1-D, 2-A, 3-E, 4-C, 5-B
- 1-E, 2-B, 3-D, 4-C, 5-A
- 1-D, 2-C, 3-A, 4-B, 5-E

Q.11. \_\_\_\_\_, also known as K8s, is an open-source orchestration system for automating deployment, scaling, and management of containerized applications.

- Atlassian Jira
- docker swarm
- Kubernetes
- GitHub

Q.12. The intent of \_\_\_\_\_ is to ensure that a change, such as a bug fix should not result in another fault being uncovered in the application?

- functional testing
- regression testing
- integration testing
- unit testing

Q.13. Which term defines the process of project compliance with policies and procedures?

- Quality control
- Quality assurances
- Quality audits
- Quality control management

Q.14. Which command creates a copy of an existing git repository.

- git copy
- git clone
- git replace
- git move

Q.15. In Agile product development, A \_\_\_\_\_ is a short (ideally two to 4 week) period in which a development team implements and delivers functionality by completing stories.

- Story
- Task
- Event
- Sprint

Q.16. Which of the following is not included in SRS?

- Performance
- Functionality
- Design solutions
- External interfaces

Q.17. \_\_\_\_\_ provides complete isolation from the host operating system and the other Virtual Machines (VMs), so it is fully secure.

- Virtualization
- Containerization
- Security
- Cloud

Q.18. How many buckets can you create in AWS by default?

- 25 buckets
- 50 buckets
- 100 buckets
- 200 buckets

Q.19. Jenkins was developed for

- Continuous Integration
- Continuous Deployment
- Continuous Monitoring
- Continuous Delivery

Q.20. \_\_\_\_\_ is a human-friendly data serialization language for all programming languages.

- XAML
- XML
- YAML
- JSON

Q.21. A user story that is too large is broken into smaller stories called \_\_\_\_\_.

- Epic
- Story
- Change
- Incident

Q.22. DevOps improved collaboration and productivity by

- Automating infrastructure
- Automating workflow
- Continuously measuring application performance
- All of the above

Q.23. Which command is used to undo the commit in git?

- git revert
- git undo
- git prev
- git reset

Q.24. In WebDriver, \_\_\_\_\_ command can be used to enter values onto text boxes?

- selenium.type()
- type()
- sendKeys("text")
- driver.type("text")

Q.25. How to remove a running container in docker?

- docker container rm
- docker rm
- docker container delete
- docker container rm --force

Q.26. Which of the following testing is also known as white-box testing?

- Structural testing
- Error guessing technique
- Design based testing
- None of the above

Q.27. \_\_\_\_\_ is a software development life cycle model that is chosen if the development team has less experience on similar projects.

- Iterative Enhancement Model
- RAD
- Spiral
- Waterfall

Q.28. Which of the following file you can configures to ensure that certain file types are never committed to the local Git repository?

- .gitignore
- gitignore.txt
- git.ignore
- ignore.git

Q.29. To get details of a selected node in Kubernets which command is used?

- kubectl get nodes
- kubectl describe node
- kubectl select
- kubectl fetch

Q.30. EC2 stands for ?

- Elastic Compute Cloud
- Elastic Cloud Compute
- Elastic Configuration Cloud
- Elastic Cloud Configuration

Q.31. Scrum development teams consist of \_\_\_\_\_.

- Developers
- Quality assurance specialists
- Scrum Masters
- All of the above

Q.32. What is version control?

- a type of architecture used to manage large databases
- a system that shows, tracks, and controls changes to a set of files over time
- 
- a programmatic design pattern used to manage code between multiple engineering teams
- a type of software that links a project with a GitHub repository

Q.33. In which of the following service models the hardware is virtualized in the cloud?

- SaaS
- PaaS
- CaaS
- IaaS

Q.34. What is a microservice?

- A design used primarily in functional programming and object-oriented programming
- A style of design for enterprise systems based on a loosely coupled component architecture
- A small program that represents discrete logic that executes within a well-defined boundary on dedicated hardware
- A very small piece of code that never gets any bigger than 10 lines

Q.35. Object oriented technology's use of \_\_\_\_\_ facilitates reuse of the code and architecture while its \_\_\_\_\_ feature provides systems with stability, as a small change in requirements doesn't require massive changes in the system.

- Inheritance, Encapsulation
- Inheritance, Polymorphism
- Encapsulation, Polymorphism
- Polymorphism, Abstraction

Q.36. The UML supports event-based modeling using \_\_\_\_\_ diagrams.

- Deployment
- Collaboration
- State chart
- All of the mentioned

Q.37. SDLC stands for

- Software Development Life Cycle
- System Development Life cycle
- Software Design Life Cycle
- System Design Life Cycle

Q.38. Which is the most important feature of spiral model?

- Quality management
- Risk management
- Performance management
- Efficiency management

Q.39. The SDLC Model most suitable for small projects with clear requirements is

- Spiral Model

Incremental Model

Waterfall Model

Prototyping Model

Q.40. An Enterprise application runs on Amazon EC2 instances in multiple Availability Zones behind an Application Load Balancer. If one of these instances fails, what occurs?

The load balancer will automatically replace the failed instance.

The load balancer will stop sending requests to the failed instance.

The load balancer will terminate the failed instance.

The load balancer will return 504 Gateway Timeout errors until the instance is replaced.

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