

**Your score : 26 / 40****Q.1. Agile Software Development is based on**

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

**Wrong answer.****Right answer : Both of the above****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

**Right answer.****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

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

- Storage
- Application
- CPU
- All of the mentioned

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

- CVS

DVF

VCS

LFS

Wrong answer.

Right answer : VCS

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

Right answer.

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

working directory

staging area

unstaged area

Anywhere, there is no barrier

Right answer.

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

Wrong answer.

Right answer : Selenium

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

Right answer.

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

Right answer.

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

Right answer.

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

Right answer.

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

- Quality control  
 Quality assurance  
 Quality audits  
 Quality control management

Wrong answer.

Right answer : Quality control management

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

- git copy  
 git clone  
 git replace

git replace

git move

Right answer.

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

Right answer.

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

Performance

Functionality

Design solutions

External interfaces

Wrong answer.

Right answer : Design solutions

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

Wrong answer.

Right answer : Virtualization

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

25 buckets

50 buckets

100 buckets

200 buckets

Right answer.

Q.19. Jenkins was developed for

Continuous Integration

Continuous Deployment

Continuous Monitoring

Continuous Delivery

Right answer

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

- XAML
- XML
- YAML
- JSON

Right answer.

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

- Epic
- Story
- Change
- Incident

Right answer.

Q.22. DevOps improved collaboration and productivity by

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

Right answer.

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

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

Right answer.

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

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

Wrong answer.

Right answer : sendKeys("text")

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

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

Wrong answer.

Right answer : 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

Right answer.

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

Wrong answer.

Right answer : Spiral

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

Right answer.

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

Wrong answer.

Right answer : kubectl describe node

Q.30. EC2 stands for ?

- Elastic Compute Cloud
- Elastic Cloud Compute

Elastic Configuration Cloud

Elastic Cloud Configuration

Wrong answer.

Right answer : Elastic Compute Cloud

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

Developers

Quality assurance specialists

Scrum Masters

All of the above

Right answer.

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

Right answer.

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

SaaS

PaaS

CaaS

IaaS

Right answer.

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

Wrong answer.

Right answer : A style of design for enterprise systems based on a loosely coupled component architecture'

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

Wrong answer.

Right answer : Inheritance, Encapsulation

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

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

Right answer.

Q.37. SDLC stands for

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

Right answer.

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

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

Right answer.

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

- Spiral Model
- Incremental Model
- Waterfall Model
- Prototyping Model

Right answer.

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.

Wrong answer.

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

Submit