SDM MOCK TEST SEPT-2022 DAC

1. SDLC model selection is based on
Answers

1. Project type and associated risk
2. Development team & Users
3. Requirements
4. All of the mentioned

2. Which of the following is correct about Agile Disadvantage?
Answers

1. Not suitable for handling complex dependencies.
2. More risk of sustainability, maintainability and extensibility
3. Both A and B
4. None of the above

3. Git is the same as GitHub.
Answers

1. True
2. False

4. _____ DevOps software that combines the ability to develop, secure, and operate software in a single application.
Answers

1. GitLab
2. SVN
3. Microsoft VSS
4. SourceGear Vault PRO

5. Which one of these statements is true?
Answers

1. git pull does not modify the local branch tip.
2. git fetch does not update the local branch tip.
3. git fetch may result in a merge conflict.
4. Behavior of git fetch and git pull are same

6. Which of the Git repository having hosting functions?
Answers

1. Gitlab
2. Bitbucket
3. SourceForge
4. All of the above

7. Git is capable of automatically merging the changes even if the commits are on same lines in perticualar file under same branch
Answers

1. True
2. False

8. RAD stands for
Answers

1. Rapid Application Development
2. Required Application Development
3. Rapid Application Developers
4. Rapid Application Disposition

9. Waterfall model is not suitable for:
Answers

1. Small projects
2. Complex projects
3. Accommodating changes
4. Maintenance Projects

10. What is the major drawback of using RAD Model?
Answers

1. Highly specialized & skilled developers/designers are required
2. Increases reusability of components
3. Encourages customer/client feedback
4. Increases reusability of components, Highly specialized & skilled developers/designers are required

11. We classify different objects of the program with the same properties into a class using ___.
Answers

1. Categorization
2. Instantiation
3. Decomposition
4. Generalization

12. Which of the following isn't a goal of NewOps?
Answers

1. Serving as an interface between cloud providers and customers.
2. Integrating different operations teams like storage, network, server etc. by removing silos and be aligned with business
3. By automating operations, remove the need for human competencies.
4. None of these

13. Which of the following model is a software enterprise development phrase used to signify a kind of Agile relationship among development and IT operations.
Answers

1. Waterfall
2. DevOps
3. Agile
4. Incremental

14. What is an Ansible?
Answers

1. Ansible is a Continuous Integration tool
2. Ansible is a Continuous Monitoring tool
3. Ansible is a Configuration Management and Deployment tools
4. Ansible is a Deployment tools

15. What is the need for DevOps?
Answers

1. Increase deployment frequency
2. Lower failure rate of new releases
3. Both A and B
4. None of the above

16. Which of the following software is perfect for software teams in need of advanced agile functionality and structured workflow?

Answers

1. JIRA
2. Visual Studio
3. Eclipse
4. Trello

17. Which of the cloud service models available is used as the foundation upon which operating systems and software are hosted?

Answers

1. SaaS
2. IaaS
3. PaaS
4. CaaS

18. A _____ is a combination of virtual resources that simulates the underlying hardware.

Answers

1. Host machine
2. Host operating system
3. Virtual Machine
4. Guest operating system

19. Cloud Service consists are:

Answers

1. Platform, Hardware, Infrastructure
2. Platform, Software, Infrastructure
3. Software, Infrastructure, Hardware
4. Software, Hardware, Infrastructure

20. Which is not a characteristic of Cloud Computing?

Answers

1. Rapid elasticity
2. Resource pooling
3. On-demand self-service
4. Private hardware centers

21. 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?
Answers

1. The load balancer will automatically replace the failed instance.
2. The load balancer will stop sending requests to the failed instance.
3. The load balancer will terminate the failed instance.
4. The load balancer will return 504 Gateway Timeout errors until the instance
is replaced.

22. Which of the following command used to find the current logging driver for
a running container in Docker?
Answers

1. docker stats
2. docker info
3. docker config
4. docker inspect

23. Is this a type of Linux kernel namespace that provides container
isolation?
Answers

1. Yes
2. No

24. _____ is a human-friendly data serialization language for all
programming languages.
Answers

1. XAML
2. XML
3. YAML
4. JSON

25. A host machine has four CPUs available and two running containers. The
sysadmin would like to assign two CPUs to each container. Which of the
following commands achieves this?
Answers

1. Set the '--cpuset-cpu's flag to '1.3' on one container and '2.4' on the
other container.
2. Set the '--cpuset-cpus' flag of the 'dockerd' process to the value 'even-
spread'
3. Set the '--cpu-quota' flag to '1.3' on one container and '2,4' on the other
container.
4. Set the '--cpuset-cpus' flag to '.5' on both containers

26. A user is having problems running Docker. Which of the following will start Docker in debug mode?
Answers

1. Set the debug key to true in the 'daemon.json' file.
2. Start the 'dockerd' process manually with the '--logging' flag set to debug
3. Set the logging key to debug in the 'daemon.json' file.
4. Start the 'dockerd' process manually with the '--raw-logs' flag set to debug

27. _____ character used for comments in YAML
Answers

1. //
2. ' (single quote mark)
3. #
4. --

28. _____ allows one to attach to a container without exiting the container.
Answers

1. nsenter
2. docker run
3. cmder
4. none of the above

29. dcker run command will download the image (if it is not already present), and run the OS as a container.
Answers

1. TRUE
2. FALSE

30. _____ is helpful when multiple teams are using the same cluster and there is a potential of name collision. It can be as a virtual wall between multiple clusters.
Answers

1. Kubernetes-Pod
2. Kubernetes-Service
3. Kubernetes-Node
4. Kubernetes-Namespace

31. Microservices require a lot of monitoring to operate effectively
Answers

1. True
2. False

32. What is true about distributed tracing used in microservices?
Answers

1. It ensure that failed microservices are resurrected properly
2. It transfer log management between a given host on demand
3. It observe the behavior of distinct system calls between and within microservices
4. It change the behavior of a microservice at runtime

33. What is a microservice?
Answers

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

34. Which plugin is used to run the selenium test cases in Jenkins?
Answers

1. Hudson
2. JUnit
3. Rational Tools
4. NUnit

35. Load testing is carried out to check whether the system can handle the pressure or load of many users is an example of _____
Answers

1. Functional
2. Non-functional testing
3. Unit Testing
4. All of the above

36. _____ is now one of the most widely used software development processes.
Answers

1. V Model
2. Waterfall STLC model
3. Both A and B
4. None of the above

37. When to Use The V Model?

Answers

1. If the requirement is well defined and not ambiguous
2. If acceptance criteria are well defined.
3. If technology and tools used are not dynamic.
4. All of the above

38. Which of the following approach towards testing includes trial techniques and error guessing method because tester does not need knowledge of internal coding of the software?

Answers

1. White Box Testing
2. Grey Box Testing
3. Black Box Testing
4. Red Box Testing

39. In Jenkins, a _____ is a collection of events or jobs which are interlinked with one another in a sequence.

Answers

1. pipeline
2. configuration
3. user
4. None of the above

40. Find the correct sequence used in Jenkins for a continuous delivery pipeline.

Answers

1. build, deploy, release and test
2. build, deploy, test and release
3. build, test, deploy and release
4. test, build, deploy and release