



Exam Code: DevOps-Engineer

Exam Name: PeopleCert DevOps Engineer

Website: <https://VCEup.com/>

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Question No: 1

Which of the following BEST describes how a commitment to embrace change is driven by continual improvement efforts?

- A. DevOps stakeholders are open to improving activities and practices when changes are found to make things better
- B. Leaders and teams that are not familiar with process improvement techniques have a hard time sustaining it.
- C. Technology continually changes and IT people must keep up with these changes or risk becoming obsolete.
- D. IT professionals understand that the third way of DevOps means experimentation should be the preferred approach

Answer: A

Explanation:

Question No: 2

Which of the following is NOT a Key characteristic of a collaborative relationship type?

- A. Communication
- B. Cooperation
- C. Transparency
- D. Trust

Answer: C

Explanation:

Question No: 3

Which of the following is NOT a result of pun?

- A. Production before a customer order
- B. Production based on a customer order
- C. Small buffer inventory
- D. Reduction of bottlenecks

Answer: A

Explanation:

Question No: 4

Which of the following BEST describes an aspect of the continuous deployment pipeline that a release engineer can influence beyond the technical aspects of a feature or application release?

- A. Self-service model
- B. Policies and procedures
- C. High velocity
- D. Hermetic builds

Answer: B



Explanation:

Question No: 5

Which of the Knowing BEST describes how reporting can contribute to transparency?

- A. It shows the progress of the effort compared to agreed targets
- B. It provides technical information to the Business it enables
- C. IT to provide one report to all recipients
- D. It highlights only the most successful IT results

Answer: A

Explanation:

Question No: 6

Which of the following BEST describes the concept of continuous integration orchestration capabilities of Jenkins?

- A. The purpose is to frequently integrate developer source code during the day to run integration tests and pass the merged code back to developers
- B. The objective is to perform a static syntax test on the source code prior to the application compilation to identified broken functionality
- C. The goal is to deploy the compiled application on the test server without me need for providing feedback loops for the bund and test results.
- D. The objective is to commit source code changes frequently followed by running integration tests and then deploying changes that pass the test

Answer: A

Explanation:

Question No: 7

A successful but traditional brick-and-mortar enterprise is planning a DevOps transformation to improve flow in their value streams. When two of the following BEST reflect the CORRECT approach when working together?

- 1. Avoid local optimization
- 2. Apply systems thinking
- 3. Increase task switching
- 4. Maximum current culture

A. 1 and 2

B. 2 and 3

C. 3 and 4

D. 1 and 4

Answer: C

Explanation:

Question No: 8

There are seven main areas of comparison between open source and commercial software:

1. Infrastructure
2. Availability and reliability
3. Enhancement
4. Performance and scalability
5. Person-hours of the it team
6. Maintenance and support
7. _____

When of the following BEST describes the seventh missing item?

- A. Security
- B. Observability
- C. Alerting
- D. Flexibility

Answer: A

Explanation:

Question No: 9

Which TWO of the following BEST describe soft skills?

1. Empathy
2. Critical thinking
3. Social intelligence
4. Teamwork

A. 1 and 2

B. 2 and 3

C. 3 and 4

D. 1 and 4

Answer: D

Explanation:

Question No: 10

Which of the following is an attribute of a generative culture?

- A. Responsibilities are shirked.
- B. Failure leads to scapegoating
- C. Bridging is rewarded



D. Novelty is crushed

Answer: C

Explanation:

Question No: 11

Which of the following BEST describes the concept of deployment pipeline orchestration?

- A. To report on the software build test, and deployment activities using a visual dashboard to support Business intelligence
- B. To automate and coordinate release trains to support the final steps related to the deployment and release of the product to the customer
- C. To visualize coordinate and automate the progress and continuous flow of software through build test, and deployment activities
- D. To build test deploy and release software using automation tools and dashboards to detect defects and make errors visible

Answer: C

Explanation:

Question No: 12

Which of the following BEST describes continuous integration?

- A. All developer code is merged into a shared repository throughout the day.
- B. All changes that pass tests are automatically pushed into production.
- C. Automated tests are executed at every stage of the deployment pipeline
- D. Code is always able to be deployed rapidly throughout its life cycle

Answer: A

Explanation:

Question No: 13

Which of the following is a type of automated test of code?

- A. Unit test
- B. Smoke Test
- C. Acceptance Test
- D. Usability test

Answer: A

Explanation:

Question No: 14

Which of the following BEST explains the ideal of locality and simplicity when it comes to accountability and ownership?

- A. End-to-end ownership of a process, project, feature, or value stream breeds confidence in a DevOps team.
- B. Everything connected with IT has a life cycle build-in and, at every milestone, someone must be accountable.



- C. Success requires structuring the products into small and short life cycles with end-to-end accountability.
- D. Cultural thinking embodies a spirit of enablement and accountability across operations and development

Answer: C

Explanation:

Question No: 15

What is the BEST reason for maintaining a constant state of deployment readiness?

- A. To enable it staff to test their deployment capacity
- B. To allow the IT team to respond quickly to the business
- C. To iteratively build features into a deployable increment
- D. To utilize the automated provisioning of virtual servers

Answer: A

Explanation:

Question No: 16

Which of the following BEST describes a release train?

- A. A set of interconnected software development activities that have to be executed in sequence due to object and resource dependencies
- B. A powerful command line tool dedicated for migrating changes or metadata between environments and intended for use by DevOps engineers
- C. It is a preplanned time frame and set of delivery activities that have been stringently planned into phases the individual teams must align with.
- D. It is a form of a prerelease deployment validation method where third-party systems require integration testing and load testing to be performed.

Answer: C

Explanation:

Question No: 17

Which of the following is NOT a Key benefit of DevOps?

- A. Higher stability
- B. Higher productivity
- C. Shorter time to value
- D. Shorter time to assess

Answer: D

Explanation:

Question No: 18

Which of the following BEST describes the DevOps release strategy that involves use of a launch in which a new feature is initially released to a small targeted group of users for testing under production conditions?

- A. Canary release

- B. Dark-horse release
- C. Blue/green release
- D. Trial release

Answer: A

Explanation:

Question No: 19

When TWO of the following BEST describe* advantages of container?

1. Supports physical and virtual servers by replacing the operating system
2. Supports the goal of efficiently using hosting resources when using containers
3. Supports running software reliably when moved between environments
4. Supports virtual machine capacity by reducing the operating system size

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

Answer: B

Explanation:

Question No: 20

Which of the following best explains open Telemetry?

- A. A distributed architecture solution for quickly solving availability/performance issues
- B. A standard for the generation of the system data needed to power observability products
- C. An open standard for improving observability and reporting for cloud-based activity
- D. A vendor-agnostic implementation of back-end technology powering observability

Answer: D

Explanation:

Question No: 21

Consider the following statement

"A series of surface-level tests are being run by the development team to confirm that their build is ready for the quality assurance team." Which of the following BEST describes the type of testing being referred to?

- A. Unit testing
- B. Regression testing
- C. Smoke testing



D. Blackbox testing

Answer: A

Explanation:

Question No: 22

Monitoring and event management can identify three types of system events.

Which of the following is one of these three event types?

A. Exception

B. Emergency

C. Notification

D. Standard

Answer: B

Explanation:

Question No: 23

Which of the following is BEST described by "ensuring data is accessed only by an authorized person"?

A. integrity

B. Reliability

C. Availability

D. Confidentially

Answer: D

Explanation:

Question No: 24

Which of the following situations DO NOT represent unplanned work eroding capacity and decreasing productivity?

A. A new piece of work was added to a project after it was approved which required extra resources and time to complete resulting in other work being uncompleted.

B. A scheduled and approved change to update a series of servers was completed within the scheduled time with no reported incidents reported as a result.

C. A major incident was reported that required specific subject matter experts to focus on the incident and a project. They were working on it and was delayed as a result.

D. A recently implemented system suffered capacity-related performance and response issues which were not experienced in the pre-release testing phase.

Answer: D

Explanation:

Question No: 25

In an IaaS cloud service model who is responsible for managing the visualization layer?

A. Cloud provider



- B. Data analyst
- C. Customer representative
- D. Technical specialist

Answer: A

Explanation:

Question No: 26

Consider the following statement

"A product team runs a script to create another instance of a virtual server." Which of the following e BEST describes by the above statement?

- A. infrastructure as code
- B. Serverless computing
- C. Asset management
- D. Remote control

Answer: A

Explanation:

Question No: 27

Which TWO or the following BEST describe key technical skills that a DevOps engineer would require?

1. System administration
2. Network understanding
3. Logical Reasoning
4. Written communication

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

Answer: A

Explanation:

Question No: 28

Which of the large pubic cloud providers created Kubernetes?

- A. IBM Cloud
- B. Microsoft Azure
- C. Amazon web Services

D. Google Cloud Platform

Answer: D

Explanation:

Question No: 29

Consider the following scenario

- The end slate and deliverables are clear
- Detailed instructions need to be followed or replicated such as a system upgrade or installation
- The goal of the protect is to replicate a previously designed output Which development model is the BEST approach within the scenario provided?

A. Agila

B. Lean

C. waterfall

D. DevOps

Answer: C

Explanation:

Question No: 30

Which statement BEST describes the basic concepts of a clue/green deployment?

- A. A deployment is made where a set of features are hidden from users until tested and confirmed successful
- B. A deployment is made to a pilot user group for feedback and confirmation before it is made production viable
- C. A deployment is made to an identical but passive production environment where no users will be affected if it goes wrong
- D. A deployment is made to the testing environment for validation and confirmation before it is finally released to users

Answer: C

Explanation:

Question No: 31

Which or the following commonly adoptee DevOps team approaches is the BEST example of a DevOps teaming model that does not fully support the overall goals of DevOps?

- A. DevOps as a tools team
- B. DevOps advocacy team
- C. A stream-aligned team
- D. A site reliability team

Answer: C

Explanation:

Question No: 32

Which of the following is the BEST example of the DevOps ideal "locality and simplicity"?

- A. increase the feedback loops in the process and give teams the resources they need to fix problems.
- B. Focus on the resources within the team's scope of control and design loosely coupled services.
- C. Understand what customers are willing and able to pay for in a service and what they care about.
- D. Address problems as a team with what is the cause?" not who and teach each other continually

Answer: A

Explanation:

Question No: 33

Which of the following answers BEST describes when an IT system automatically adapts to any change without requiring manual reconfiguration?

- A. Reactive configuration management
- B. it asset management
- C. Proactive configuration management
- D. IT operations management

Answer: A

Explanation:

Question No: 34

Which of the following BEST describes what could be the result of misguided incentives?

- A. A silo culture
- B. A DevOps culture
- C. A blame culture
- D. A Lean culture

Answer: A

Explanation:

Question No: 35

Which of the following segments is included in the calculation of average mean time to repair (MTTR)?

- A. The repair time only
- B. The repair and testing time
- C. The alert time only
- D. The alert and testing time

Answer: B

Explanation:



Question No: 36

Site reliability engineering (SRE) is Google's way of performing IT operations Which TWO of the following in regards to SRE practice at Google are TRUE?

1. The SRE team is capped at 50% of their time performing toil work.
2. The SRE team is focused on manual intervention versus engineering
3. SRE learns scale linearly with the service sue
4. SRE teams modernize the traditional IT Ops role

A. 1 and 2

B. 2 and 3

C. 3 and 4

D. 1 and 4

Answer: A

Explanation:

Question No: 37

Which of the following BEST describes why Agile teams aim for a work pace that they would be awe to sustain indefinitely?

- A. Teams feel creative and energized only up to 40 hours per week or so
- B. Overtime lends lo mash schedule management or quality deficiencies
- C. An Agile mindset insists on principles and a manifesto with lofty ideals.
- D. Committing to more work means less tone to spend playing games

Answer: A

Explanation:

Question No: 38

Which of the following BEST describes the man idea that drives a blameless postmortem?

- A. Focus on identifying the contributing causes.
- B. Focus on bad or inappropriate behaviors.
- C. Focus on whether the team did the right thing
- D. Focus on the intentions of everyone involved

Answer: A

Explanation:

Question No: 39

Which of the following BEST describes horizontal scaling?

- A. Provisioning additional server instances to meet the needs



- B. Combining workloads on more powerful servers
- C. Adding CPU or memory to an existing server
- D. Limiting the number of servers by increasing resources

Answer: A

Explanation:

Question No: 40

Which of the following BEST describes what a critical-to-quality (CTQ) tree does?

- A. Connects the voice of customer with the customer outcome
- B. Translates the voice of customer to internal IT targets
- C. Visualizes the value stream
- D. Visualizes the work in progress

Answer: B

Explanation:

