DEVOPSF.18q

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EXIN DevOps Foundation

Exam A

QUESTION 1

A team stores not only source code, but many other things related to the IT system, such as tests, scripts, artifacts, libraries and many other things.

Which DevOps principle has this team implemented?

A. Continuous delivery
B. Deployment pipeline
C. Version control

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2

For what type of business is DevOps the least suitable?

A. Companies with unacceptable IT-related risks for the core business
B. Companies without in-house software development
C. Small companies or start-ups

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
Every team needs information. In DevOps, it is stressed to visualize certain information.

Which piece of information should be made available, so the team has ready access to it?

A. In which step is work accumulating, inhibiting flow?
B. What is management working on right now?
C. Which other projects do not have enough manpower?

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
What is a benefit of the way the Definition of Done is defined in DevOps?

A. The team focuses less on the "what" and more on "when"
B. The team focuses less on the "what and more" on "where"
C. The team focuses less on the "what" and more on "who"
D. The team focuses less on the "what" and more on "why"

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
DevOps incorporates Lean Production principles in software development.

What Lean principle is the core of DevOps?

A. Continuous delivery
B. Self-organization
C. Value chain thinking

D. Welcoming change
Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
What helps a DevOps team to successfully develop and deliver working software?

A. Allowing your DevOps teams to develop their own specific mission
B. Forming a DevOps team for short period of time during a project
C. Identifying, fixing and learning from errors only after your project ended
D. Writing code for software to have built-in quality as a main goal

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
When value stream mapping, which metric is essential to measure for each step?

A. Cost of delay
B. Delay divided by duration
C. Key group comparison
D. Percentage complete and accurate
E. Work-in-Progress (WiP)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
A company decides to do canary releases for some new functionality.

What is a description of a canary release?

A. Releasing to a limited number of users, before releasing it to all users
B. Switching users from interacting with one release to the next within seconds
C. Test business hypotheses by having half of the users switch to a new release

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.modernanalyst.com/Careers/InterviewQuestions/tabid/128/ID/5041/What-is-a-canary-release-and-what-are-some-of-the-benefits.aspx

QUESTION 9
Even more than Agile or Scrum, DevOps encourages continuous delivery of new functionality and continuous feedback from the customer.

What does this achieve?

A. It increases the team's responsibility
B. It improves customer relations
C. It yields a greater return on IT

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
In what way does DevOps take operational requirements into account?

A. By considering the workflow from start to end
B. By defining a feature set for first marketing
C. By defining all activities that must be done

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
Which architecture is a cause of the problems with DevOps that a microservice architecture solves?

A. Intel x86 architecture
B. Mainframe architecture
C. Monolithic architecture
D. Serverless architecture

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://dzone.com/articles/what-problems-do-microservices-solve-2

QUESTION 12
DevOps practices incorporate the value stream concept from Lean Production.

What is a value stream?

A. The amount of products that are delivered within a timeframe
B. The sequence of releases that deliver a working product
C. The series of actions performed to fulfill any type of request

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13

Why does Operations benefit most from improved configuration management?

A. It allows Development to take over Operations tasks if they have too much work
B. It allows Operations to automate configuration management using scripts
C. It allows Operations to be involved in earlier stages of the development
D. It allows Operations to respond to incidents more quickly than without

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
Your team works in three-week iterations and cannot get all the work for a batch done within the iteration. They frequently encounter bottlenecks.

What is the best reaction of the team after they identify a bottleneck?

A. Discuss with the Product Owner which work can be shifted to another iteration
B. Extend the length of this particular iteration to four weeks to remove the bottleneck
C. Trust that they will solve the bottleneck in the next batch or iteration

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
What is the DevOps practice called that maximizes detection of common errors?

A. Shift Defect
B. Shift Down
C. Shift Left
D. Shift Right
E. Shift Up

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://books.google.com.pk/books?id=gBSGDwAAQBAJ&pg=PA70&lpg=PA70&dq=devops+practice+called+that+maximizes+detection+of+common+errors&source=bl&ots=TxpzF69jKi&sig=ACfU3U0jOVfwRwOavRYYsAQxejGlZzkjqw&hl=en&sa=X&ved=2ahUKEwjStsHUhr3lAhXZ6OAKHeCiCs4Q6AEwAHoEC AkQAQ

QUESTION 16
When will an organization find it difficult to adopt DevOps practices?

A. When many bureaucratic processes are in place, because this causes inflexibility
B. When microservices are used, because they expand the attack surface
C. When operational complexity is high, because DevOps needs a simple architecture

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
Why is reducing the fragility of a business system difficult?

A. Because doing so will disrupt the current product and service timelines
B. Because doing so will increase the number of incidents that occur temporarily
C. Because it is difficult to deliberately introduce chaos into the Production environment
D. Because of the high risks of business disruption when integrating large numbers of systems

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://books.google.com.pk/books?id=gBSGDwAAQBAJ&pg=PA19&lpg=PA19&dq=devops+reducing+the+fragility+of+a+business+system+difficult+high+risks+of+business+disruption+when+integrating+large+numbers+of+systems&source=bl&ots=TxpzF69oQd&sig=ACfU3U2SLq5-

QUESTION 18
IT work within DevOps is organized differently from more traditional practices, using newer infrastructure management technologies to make this possible.
Which two technologies are meant? (Choose two.)

A. Automation
B. Cloud computing
C. Containerization
D. Software robots
E. Virtualization

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

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