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## Valid DevOps-Foundation Test Book - Latest DevOps-Foundation Exam Practice

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### Peoplecert DevOps-Foundation Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Culture, Behaviours, Operating Models: This section of the exam measures the skills of DevOps engineers and covers how to assess and evolve organisational culture in relation to DevOps transformation. It includes concepts such as Cultural Debt, Behavioural Models, and Organisational Maturity, helping professionals understand team dynamics and readiness for change.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Sharing, Shadowing and Evolving: This section of the exam measures the skills of IT operations specialists and covers the collaborative and adaptive elements of DevOps in enterprise settings. It explores leadership, typical barriers and risks, and outlines how organisations can evolve their DevOps practices through continuous learning, peer shadowing, and experience-based transformation.</li></ul>

Topic 3	<ul style="list-style-type: none"> <li>• <b>Core DevOps Principles:</b> This section of the exam measures the skills of IT operations specialists and covers essential DevOps principles such as the Three Ways, the Theory of Constraints, and Chaos Engineering. It also introduces the concept of learning organisations, showing how systemic thinking supports continuous improvement.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Key DevOps Practices:</b> This section of the exam measures the skills of DevOps engineers and covers core DevOps practices including Continuous Integration, Continuous Testing, Continuous Delivery, and Continuous Deployment. It explores concepts such as Site Reliability Engineering, DevSecOps, Value Stream Management, Platform Engineering, and modern practices like ChatOps and observability.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• <b>Exploring DevOps:</b> This section of the exam measures the skills of DevOps engineers and covers the foundations of DevOps, including its emergence as a critical discipline in the digital era. It introduces learners to the basic purpose, evolution, and significance of DevOps in modern software and infrastructure environments.</li> </ul>
Topic 6	<ul style="list-style-type: none"> <li>• <b>Measurement, Metrics, and Reporting:</b> This section of the exam measures the skills of DevOps engineers and covers metrics that help monitor and evaluate the performance of DevOps practices. Topics include speed, quality, culture, change lead time, cycle time, and the use of dashboards, value-driven metrics, and AIOps in reporting and decision-making.</li> </ul>
Topic 7	<ul style="list-style-type: none"> <li>• <b>Automation, Architecting DevOps Toolchains:</b> This section of the exam measures the skills of IT operations specialists and covers key automation principles within the DevOps toolchain. It focuses on CI</li> <li>• <b>CD pipelines, Infrastructure as Code, containerisation, cloud-native architecture, platform engineering, and emerging technologies like Machine Learning and Generative AI in DevOps contexts.</b></li> </ul>

## Peoplecert PeopleCert DevOps Foundationv3.6Exam Sample Questions (Q49-Q54):

### NEW QUESTION # 49

What is one of the PRIMARY benefits of Continuous Delivery?

- A. It reduces the cost, time, and risk of delivering incremental changes to the business
- B. It ensures that all releases are deployed into production in a timely manner
- C. It prioritizes working on new features over keeping software deployable
- D. It automates all of the tasks associated with development and operations

**Answer: A**

Explanation:

Continuous Delivery's primary benefit is that it reduces the cost, time, and risk of delivering incremental changes. By keeping software deployable at all times, teams can ship small, low-risk releases as needed.

\* A: Prioritizing features over deployability increases risk.

\* B: Not all releases are deployed immediately; CD keeps them ready.

\* D: CD doesn't automate everything—some manual steps may remain, especially in Continuous Delivery (vs. Continuous Deployment).

Extract-style reference:

"Continuous Delivery reduces deployment pain by ensuring that code is always in a deployable state, decreasing the cost, time, and risk associated with releases."

—Continuous Delivery, Jez Humble & David Farley

PeopleCert Syllabus: Highlights CD as a strategy for safer, more efficient business change.

### NEW QUESTION # 50

How do shortened feedback loops PRIMARILY improve IT's performance?

- A. They help to create and share knowledge when needed
- B. They create a value stream map
- C. They encourage learning and experimentation

- **D. They ensure a faster flow between Dev and Ops**

**Answer: D**

Explanation:

According to PeopleCert DevOps Foundation v3.6, the Second Way of DevOps focuses on creating and amplifying feedback loops. The primary purpose of shortening these loops is to accelerate the flow of work and information between all stages of the delivery pipeline, especially between Development and Operations.

When feedback loops are short, defects, performance issues, and risks can be identified and resolved earlier in the process, preventing costly delays and large-scale rework. This supports faster, safer releases and improves the organization's responsiveness to customer needs.

While A (learning) and D (knowledge sharing) are important benefits of feedback loops, they are secondary outcomes. The main, direct effect is improving flow efficiency—ensuring that handoffs between Dev and Ops happen smoothly, quickly, and with higher quality.

Option C (value stream mapping) is a useful Lean practice to identify delays and bottlenecks, but it is a diagnostic tool, not the primary improvement gained from shortening feedback loops.

Thus, the correct answer is B—shortened feedback loops primarily improve IT performance by ensuring faster flow between Development and Operations.

References:

PeopleCert DevOps Foundation v3.6 - Second Way: Feedback Principles

The DevOps Handbook- Feedback and Flow Acceleration

Accelerate- Research on Fast Feedback and Performance

#### NEW QUESTION # 51

An organization has identified they have a culture of blame where people are fearful of failure and lack the courage to try new things. What can they do to encourage more courageous and experimental behaviors?

- A. Both b and c
- B. Identify and punish the people that make mistakes
- C. Sharing is inhibited
- **D. Build rituals that reward risk taking**

**Answer: D**

Explanation:

A blame culture is toxic and inhibits innovation. DevOps encourages a culture where risk-taking and experimentation are rewarded, not punished.

Organizations should "build rituals that reward risk taking"—examples include celebrating "fast failures" and running blameless post-mortems.

Extract-style reference:

"Encourage a culture where failure is seen as a learning opportunity, not a cause for punishment. Rituals that reward risk-taking foster innovation and create psychological safety."

-DevOps Handbook

DevOps Foundation v3.6 (Cultural Principles section) advocates psychological safety, learning from failure, and reward systems that incentivize experimentation.

#### NEW QUESTION # 52

An organization wants to use experiments to improve its ITSM processes in support of DevOps practices. Which approach could this organization use to design and implement small, incremental improvements?

- A. Value Stream Mapping
- B. All of the Above
- C. Agile Service Management
- **D. Improvement Kata**

**Answer: D**

Explanation:

The Improvement Kata is a structured, scientific approach to continuous improvement. It uses small, iterative steps to move from the current state toward a target condition, testing hypotheses along the way.

In the DevOps context, the Improvement Kata helps teams experiment with process changes, measure outcomes, and adapt quickly-reducing risk while fostering a learning culture. It is especially useful for improving ITSM processes incrementally. AandBare valuable techniques but serve different purposes-Agile Service Management adapts ITSM to Agile principles, and Value Stream Mapping visualizes and analyzes workflow. While they can complement Improvement Kata,Cis the direct experimental framework for small, incremental improvement.

Thus, the correct answer isC.

References:

PeopleCert DevOps Foundation v3.6 - Improvement Kata and Continuous Improvement Mike Rother -Toyota Kata

### NEW QUESTION # 53

Which of the following helps an organization to practice DevSecOps?

- A. Conducting frequent security audits after deployment
- **B. Security as code**
- C. Embracing a "shift right" testing strategy approach can take advantage of continuous integration and test-driven development practices
- D. Engaging external testing services

**Answer: B**

Explanation:

DevSecOps is about integrating security into every stage of the software delivery lifecycle rather than treating it as a separate, post-development activity. PeopleCert DevOps Foundation v3.6 stresses that security must shift left-moving testing, vulnerability scanning, and compliance checks earlier in the process.

Security as Codemeans embedding security policies, controls, and checks directly into infrastructure and application code. This includes:

\* Automated vulnerability scanning in CI/CD pipelines

\* Infrastructure-as-code with integrated security configurations

\* Policy-as-code to enforce compliance automatically

\* Static and dynamic application security testing (SAST/DAST) integrated into build pipelines WhileAincorrectly says "shift right" (testing later in production), DevSecOps emphasizes shifting left.B(post- deployment audits) andC(external testing) can complement DevSecOps but don't fully embed security into the delivery workflow.

Therefore,D - Security as codeis the most direct enabler of DevSecOps practices.

References:

PeopleCert DevOps Foundation v3.6 - DevSecOps Practices

The DevOps Handbook- Security Integration and Policy as Code

OWASP DevSecOps Guidelines

### NEW QUESTION # 54

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