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Peoplecert DevOps-Foundation Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">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.

Topic 2	<ul style="list-style-type: none"> Measurement, Metrics, and Reporting: 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.
Topic 3	<ul style="list-style-type: none"> Business and Technology Frameworks: This section of the exam measures the skills of IT operations specialists and covers various supporting frameworks that intersect with DevOps. These include Agile and Lean, IT Service Management, Value Stream Management, Site Reliability Engineering, Safety Culture, Learning Organisations, and Continuous Funding models that enable long-term adaptability.
Topic 4	<ul style="list-style-type: none"> Exploring DevOps: 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.
Topic 5	<ul style="list-style-type: none"> Core DevOps Principles: 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.
Topic 6	<ul style="list-style-type: none"> 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.

Peoplecert PeopleCert DevOps Foundationv3.6Exam Sample Questions (Q56-Q61):

NEW QUESTION # 56

The goal of which role is the creation of ultra-scalable and highly reliable software systems?

- A. Product Owner
- B. Site resilience engineer
- C. Site reliability engineer
- D. Software engineer

Answer: C

Explanation:

The Site Reliability Engineer (SRE) role originated at Google and is now widely recognized. SREs apply software engineering principles to IT operations to create systems that are scalable, reliable, and highly available. Their responsibilities include:

* Designing reliability into systems (SLIs, SLOs, SLAs)

* Automating operational tasks to reduce toil

* Building monitoring and alerting systems

* Performing capacity planning and disaster recovery exercises

A (Site resilience engineer) is not a standard industry term. C (Software engineer) focuses on developing applications but not specifically on operational reliability. D (Product Owner) is a role in Agile frameworks that manages product backlog and priorities, not system reliability.

Thus, the correct answer is B - Site Reliability Engineer.

References:

PeopleCert DevOps Foundation v3.6 - Roles in DevOps

Google SRE Book - Principles and Practices

NEW QUESTION # 57

The last release of a critical application contained an error that significantly impacted the business. While the error was detected immediately after release, the situation was not resolved in a timely manner. During the retrospective, it was identified that many of the delays were the result of poor communication and collaboration between development and operational teams.

What steps could the IT organization take to improve its response and resolution in the future?

- A. Introduce self-help tools to empower users to solve their own problems
- B. Use social media to communicate between teams
- **C. Implement chat platforms for faster access and collaboration**
- D. Increase the number of people that are alerted when an error occurs

Answer: C

Explanation:

Poor communication and collaboration slow incident resolution. DevOps emphasizes fast, transparent communication channels between Dev, Ops, and other stakeholders. Implementing chat platforms (e.g., Slack, Microsoft Teams) that integrate with monitoring, alerting, and deployment tools enables:

- * Real-time collaboration across geographically distributed teams
- * Immediate sharing of incident context and system data
- * Faster decision-making and coordinated action

A(alerting more people) risks causing noise without improving targeted response. B(social media) is not secure or appropriate for enterprise incident management. C(self-help tools) benefits end-users but does not address Dev-Ops collaboration.

Thus, Dprovides the most direct and effective improvement in communication for faster incident resolution.

References:

PeopleCert DevOps Foundation v3.6 - Collaboration and Tooling

The DevOps Handbook- ChatOps and Incident Management

NEW QUESTION # 58

What are the CORRECT set of DevOps values?

- **A. Culture, Automation, Lean, Measurement, Sharing**
- B. Culture, Collaboration, Communication, Commitment
- C. Culture, Automation, Lean, Metrics, Sharing
- D. Culture, Accountability, Lean, Metrics, Sharing

Answer: A

Explanation:

According to PeopleCert DevOps Foundation v3.6, the five primary values that guide successful DevOps adoption are summarized in the CALMS framework: Culture, Automation, Lean, Measurement, and Sharing.

* Culture focuses on breaking down silos, encouraging trust, and promoting collaboration between development, operations, security, QA, and business teams.

* Automation is essential for speeding up delivery, reducing manual errors, and ensuring repeatability across the software delivery lifecycle.

* Lean emphasizes the elimination of waste, limiting work in progress (WIP), and improving flow.

* Measurement means using metrics and data to inform decisions, identify bottlenecks, and drive continuous improvement.

* Sharing fosters transparency, knowledge transfer, and a unified approach to goals and problem-solving.

Option A replaces automation and lean principles with softer collaboration aspects, which are important but not recognized as the formal value set. Option C replaces "Measurement" with "Metrics," which is only a part of measurement. Option D substitutes "Accountability" for "Automation," which is not part of the CALMS model.

Therefore, the official correct set of values per the DevOps Foundation syllabus is B.

References:

PeopleCert DevOps Foundation v3.6 - Core Values Section (CALMS)

The DevOps Handbook, Gene Kim et al. - Part I: The Three Ways

Accelerate, Forsgren, Humble, Kim - Chapter on Culture and Capabilities

NEW QUESTION # 59

Updates to a complex critical business service are released every calendar quarter. The business would like to increase the frequency of releases for this service.

Why would segmenting the service into microservices help to improve the frequency of release?

- A. Microservices can be built quickly to correct or remove errors in the primary system
- B. Microservices are less expensive and therefore can be built and released more frequently

- C. Microservices create a service architecture built on smaller modules that can be updated independently without affecting the primary system
- D. Microservices are always open source so they can be modified frequently to meet business requirements

Answer: C

Explanation:

Microservices architecture breaks down applications into small, independent, loosely coupled services that can be developed, tested, and deployed independently.

* Why does this improve release frequency? Each microservice can be updated, tested, and deployed on its own, reducing the risk and coordination overhead associated with monolithic releases.

* This allows for faster feedback and more frequent delivery of value to users.

Extract-style reference:

"Microservices enable teams to deploy independently, reduce deployment risk, and increase release frequency by decoupling services."

-Accelerate: The Science of Lean Software and DevOps, Chapter 4

PeopleCert DevOps Foundation v3.6: Stresses modular architectures for enabling rapid, independent deployments and continuous delivery.

NEW QUESTION # 60

Which of the following could encourage the sharing of tools, knowledge, discoveries and lessons learned between development and operational teams?

- A. Hackathons
- B. Simulations
- C. All of the above
- D. Common workspaces

Answer: C

Explanation:

PeopleCert outlines multiple methods to encourage sharing and collaboration:

* A: Common workspaces promote informal communication and rapid problem-solving.

* B: Hackathons provide an engaging environment for innovation, cross-functional teamwork, and sharing solutions.

* C: Simulations (e.g., Game Days) allow teams to practice scenarios, learn from each other, and share insights in a low-risk setting. Each of these fosters trust, transparency, and mutual learning. Using them together can amplify cultural change and skill growth.

Thus, D-All of the above-is correct.

References:

PeopleCert DevOps Foundation v3.6 - Collaboration and Sharing Practices The DevOps Handbook- Encouraging Knowledge Sharing

NEW QUESTION # 61

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