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Peoplecert DevOps-Foundation Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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.
Topic 3	<ul style="list-style-type: none">Automation, Architecting DevOps Toolchains: This section of the exam measures the skills of IT operations specialists and covers key automation principles within the DevOps toolchain. It focuses on CICD pipelines, Infrastructure as Code, containerisation, cloud-native architecture, platform engineering, and emerging technologies like Machine Learning and Generative AI in DevOps contexts.

Topic 4	<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.
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Peoplecert PeopleCert DevOps Foundationv3.6Exam Sample Questions (Q27-Q32):

NEW QUESTION # 27

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

Answer: D

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, D provides 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 # 28

Why is it important for IT to understand and support the business' "why"?

- A. IT must understand specific business processes so that they can support the organization properly
- B. IT must understand why they should develop or acquire certain software products
- **C. IT must understand why the organization exists and its purpose, cause and belief**
- D. IT must understand why the organization will benefit from a DevOps approach

Answer: C

Explanation:

One of the core DevOps values is aligning IT efforts with business objectives-understanding the business

"why." The Foundation syllabus highlights the need for IT to understand the organization's purpose, cause, and belief. Without this, IT can't effectively support value delivery or drive digital transformation.

Understanding the organizational "why" connects daily activities to strategic objectives, a key DevOps mindset.

Reference: DevOps Foundation v3.6 syllabus section 1.2; "Start with Why" by Simon Sinek.

NEW QUESTION # 29

A large organization conducts a DevOps toolchain review and discovers that multiple development teams have built their own continuous delivery pipelines with a variety of different tooling.

Which of the following strategies would NOT help them manage their toolchain evolution moving forwards?

- A. Using sensible defaults to guide teams' choices
- B. Having IT Operations or infrastructure squads architect and manage a DevOps toolchain service to offer to the development teams
- C. Making the DevOps toolchain available self-service
- **D. Telling all development teams they must immediately migrate to a standard set of tools dictated by IT Operations**

Answer: D

Explanation:

Forcing all development teams to immediately migrate to a standard set of tools dictated by IT Operations is not a recommended DevOps strategy.

* DevOps promotes collaboration, flexibility, and evolution of toolchains, allowing teams to choose what fits their needs while moving toward sensible defaults and integration over time.

* Abrupt, top-down mandates undermine trust and autonomy, often leading to resistance and lower adoption.

Why are the other options better?

* IT Ops or infra squads managing toolchain as a service (A), sensible defaults (C), and self-service (D) are all recognized best practices to support DevOps evolution and developer enablement.

Extract-style reference:

"Mandating a single toolset without considering team needs reduces engagement. Toolchains should be managed as self-service platforms with sensible defaults, supporting but not constraining teams."

-State of DevOps Report; DevOps Handbook

PeopleCert DevOps Foundation v3.6: Encourages enabling choice, not enforcing uniformity without context.

NEW QUESTION # 30

Which statement is NOT TRUE?

- **A. Continuous Deployment requires a manual push button**
- B. Waterfall approaches can take advantage of continuous integration and test-driven development practices
- C. Continuous Delivery ensures software is always in a releasable state
- D. Continuous Integration requires developers commit code to trunk at least daily

Answer: A

Explanation:

Let's clarify what these terms mean in DevOps:

* Continuous Integration (CI): Developers integrate code into a shared repository frequently (ideally daily), with each integration automatically verified by tests.

* Continuous Delivery (CD): Ensures software is always in a releasable state. Every change can be deployed to production, but the deployment itself may be a manual decision.

* Continuous Deployment: Every change that passes automated tests is automatically deployed to production, without manual intervention.

Why is D ("Continuous Deployment requires a manual push button") NOT TRUE?

Because Continuous Deployment is about no manual intervention—once code passes all tests, it's automatically pushed live. Manual deployment is a feature of Continuous Delivery, not Continuous Deployment.

Extract-style reference:

"Continuous Deployment means that every change goes through the pipeline and is automatically put into production, resulting in many production deployments every day."

-Accelerate: The Science of Lean Software and DevOps, Jez Humble & Nicole Forsgren DevOps Foundation v3.6 distinguishes between Continuous Delivery (manual trigger) and Continuous Deployment (fully automated).

NEW QUESTION # 31

Which of the following is NOT a benefit of using a Kanban board?

- A. It reduces idle time and waste
- B. It enables people to work collaboratively
- **C. It defines policies and procedures**
- D. It reduces work in progress

Answer: C

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