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Printed on 28 July 2023

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Peoplecert DevOps-Foundation Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 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 CI CD 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.
Topic 5	<ul style="list-style-type: none"> Key DevOps Practices: 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.
Topic 6	<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 7	<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.

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Peoplecert PeopleCert DevOps Foundationv3.6Exam Sample Questions (Q21-Q26):

NEW QUESTION # 21

Which statement is NOT TRUE?

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

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 # 22

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

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

Answer: D

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 # 23

What makes the concept of learning through immersion particularly useful in a DevOps culture?

- A. All of the Above
- B. People learn by doing
- C. People learn from subject matter experts
- D. People learn from their failures in a safe environment

Answer: A

Explanation:

Learning through immersion is powerful in DevOps because:

- * People learn by doing (A)
- * People learn from subject matter experts (B)
- * People learn from failures in a safe environment (C)
- * All of the above (D) are true

DevOps encourages hands-on, real-world, collaborative, and safe-to-fail learning environments.

Extract-style reference:

"Immersive learning, including hands-on labs, peer interactions, and blameless retrospectives, is vital to building DevOps capabilities."

-DevOps Handbook, Accelerate

PeopleCert DevOps Foundation v3.6: Calls for learning culture, blamelessness, and experimentation.

NEW QUESTION # 24

A major retail organization is experiencing declining sales and wants to boost its online business. Teams within Dev and Ops have been independently experimenting with DevOps practices to speed up changes to the company's website but have yet to see tangible benefits.

What can the IT management team do in this situation to achieve bottom-line benefits with DevOps?

- A. Encourage intelligent risk taking
- B. Build a high-trust culture
- C. Create a shared vision, goals and incentives
- D. Promote a customer (outside-in) focus

Answer: C

Explanation:

When independent Dev and Ops teams adopt DevOps practices without coordination, results are limited.

* The most important action IT management can take is to create a shared vision, goals, and incentives.

* Shared goals align everyone to business outcomes, reduce conflicting priorities, and foster real collaboration.

Why not the others?

* Intelligent risk taking(A) and high-trust culture(C) are important, but without a shared vision, teams won't move in the same direction.

* Customer focus(D) is essential, but won't create cross-team alignment by itself.

Reference/Extract:

"Creating a shared vision and goals across Dev and Ops is critical to breaking down silos and delivering end- to-end value to the business."

-The Phoenix Project, Accelerate, and PeopleCert DevOps Foundation v3.6 Section 3.3

NEW QUESTION # 25

Which of the following DevOps practices encourages conversation driven development, delivery and support?

- A. ChatOps
- B. VisOps
- C. The Second Way
- D. Communication Platforms

Answer: A

Explanation:

ChatOps is the DevOps practice of using chat platforms (like Slack, Teams, Mattermost) as the central interface for communication, collaboration, and even automated deployment or support tasks.

It encourages "conversation-driven development, delivery, and support," making processes transparent and collaborative.

* Second Way(A) is about feedback loops, but not specifically conversational platforms.

* Communication Platforms(C) is a generic term

* VisOps(D) is not a standard DevOps term

Extract-style reference:

"ChatOps is a collaboration model that connects people, tools, process, and automation into a transparent workflow. Teams communicate and execute commands from a central chat client."

-DevOps Handbook

PeopleCert Foundation v3.6: ChatOps promotes rapid feedback and a culture of sharing.

NEW QUESTION # 26

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