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Peoplecert PeopleCert DevOps Site Reliability Engineer (SRE) Sample Questions (Q38-Q43):

NEW QUESTION # 38

When of the following BEST completes the definition of a canary release?

A new set of features is released....

- A. first to a trial test environment
- B. using a rolling wave technique
- C. first to a small group of users
- D. to one small group after another

Answer: C

NEW QUESTION # 39

Why is it important to have the future growth envelope outlined?

- A. To ensure only signed artifacts are deployed
- B. To review Service Level Objectives and Service Level Indicators
- C. To review or revise Error Budgets
- D. To ensure that the service can meet current and future scale estimates

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The future growth envelope refers to the anticipated growth trajectory of a service, including expected load, user demand, data volume, and performance requirements. Planning for this growth is essential to ensuring that a service can scale reliably without violating SLOs.

The Site Reliability Engineering Book, in discussions on capacity planning, states:

"A key element of capacity planning is estimating future demand so that systems can scale to meet user needs without sacrificing reliability." The SRE Workbook reinforces this concept:

"Understanding expected growth enables teams to design systems that scale and remain reliable as usage increases." Having the growth envelope defined enables:

- * Proper capacity planning
- * Avoiding resource exhaustion
- * Ensuring scalability before it becomes a reliability problem
- * Designing architectures that can handle future load

Why the other options are incorrect:

- * A Signed artifacts relate to supply chain security, not scaling.
- * C SLO/SLI reviews do not require growth envelope analysis.
- * D Error budgets relate to reliability thresholds, not capacity forecasting.

Thus, B is the correct answer.

References:

Site Reliability Engineering Book, "Capacity Planning"

SRE Workbook, "Load and Capacity Management"

NEW QUESTION # 40

Which of the following BEST defines a service level indicator (SLI)?

- A. A subjective assessment of the performance aspects of the level of service required
- B. A quantitative target value for aspects of the level of service that are provided
- C. A quantitative measure of some aspect of the level of service that is provided
- D. A subjective measure of the consequences if the level of service is not achieved

Answer: C

NEW QUESTION # 41

Which of the following BEST illustrates the engineering approach for work done within SRE?

- A. An SRE is rapidly coding a solution to automate a daily tuning activity by following a set of best practices and principles.

- B. An SRE is designing a solution to eliminate toil and scale up service delivery by learning from other successful solutions.
- C. An SRE is deploying a solution using an end-to-end pipeline that has been carefully analyzed from the start.
- D. An SRE is resolving an incident as quickly as possible using a well-designed implemented process and knowledge base.

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Google defines SRE as "what happens when you ask a software engineer to design an operations function." (SRE Book - Introduction). The core engineering approach in SRE focuses on:

- * Eliminating toil
- * Building scalable systems
- * Applying software engineering to operational challenges
- * Learning from previous solutions and patterns

The SRE Book emphasizes: "SREs focus on designing and engineering solutions that reduce manual operations and scale service delivery." (Chapter: Eliminating Toil). This aligns directly with Option B:

designing a solution to eliminate toil and scale service delivery, informed by prior successful engineering patterns.

Option A focuses only on automating a single tuning activity-not holistic engineering.

Option C describes deployment, not engineering approach to operations.

Option D is about incident response, not engineering strategy.

Thus, B is the best representation of SRE's engineering approach.

References:

Site Reliability Engineering, Chapters: "What Is SRE?", "Eliminating Toil." The Site Reliability Workbook, Engineering scalable solutions.

NEW QUESTION # 42

Reliability is a key pillar of digital experience monitoring and incident management.

Which of the following describes the BEST type of reliability monitoring strategy in SRE?

- A. A strategy that harnesses advanced technologies to measure, analyze, and maintain the fitness of applications
- B. A strategy that uses traditional and familiar monitoring tools rather than advanced artificial intelligence
- C. A strategy that focuses on monitoring and discovering useful patterns in the performance of all active networks
- D. A strategy that instruments observability and provides monitoring insights across all components and layers

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

SRE defines effective monitoring as comprehensive observability across all layers of a system, including latency, traffic, errors, saturation, dependencies, and infrastructure. The SRE Book states: "Monitoring must offer insight across all system components, enabling teams to rapidly detect and diagnose issues." (SRE Book

- Monitoring Distributed Systems). Observability instrumentation (logs, metrics, traces) provides the necessary depth for reliable digital experience monitoring.

Option B captures this exactly: broad observability across all components and layers.

Option A rejects modern observability practices-contradicting SRE guidance.

Option C is too narrow (network-only).

Option D focuses only on advanced technologies, not comprehensive coverage.

Thus, B is the best answer.

References:

Site Reliability Engineering, Chapter: "Monitoring Distributed Systems." The Site Reliability Workbook, Observability and Monitoring chapters.

NEW QUESTION # 43

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