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Peoplecert PeopleCert DevOps Site Reliability Engineer (SRE) Sample Questions (Q75-Q80):

NEW QUESTION # 75

An error budget policy is BEST described as being designed to do which of the following?

- A. Decide when and how to intervene
- B. Send alerts when error budget is at half
- C. Prevent introduction of significant bugs
- D. Shift the locus toward more innovation

Answer: A

NEW QUESTION # 76

Identify the missing word(s) in the following sentence.

Site reliability engineering is a _____ approach to IT operations.

- A.software engineering....
- B.structural engineering....
- C.simulation engineering....
- D.security engineering....

Answer: A

NEW QUESTION # 77

Which of the following terms is BEST described by the definition below?

"The probability that the system will meet certain performance standards and yield correct output for a specific time."

- A. Reliability
- B. Durability
- C. Availability
- D. Throughput

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The SRE Book defines reliability as: "the probability that a system will perform its intended function correctly for a specified period of time." (SRE Book - Introduction). Reliability focuses on correctness and consistent performance, not simply uptime. Availability (option A) refers to system uptime or accessibility.

Durability (option C) refers to long-term data persistence. Throughput (option D) measures volume of work processed over time.

Because the definition explicitly mentions probability of meeting performance standards and correct output over time, it directly matches the SRE definition of reliability.

Thus, B is correct.

References:

Site Reliability Engineering, Introduction section on reliability definitions.
The Site Reliability Workbook, Reliability fundamentals.

NEW QUESTION # 78

Which of the following BEST describes how to contribute to achieving higher levels of availability?

- * Measuring the critical aspects
 - * Maintaining a close relationship with development teams
 - * Measuring staff performance
 - * Maintaining a close interval between detection and correction
-
- A. 1 and 2
 - B. 3 and 4
 - C. 2 and 3
 - **D. 1 and 4**

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Achieving high availability in SRE practice is driven by accurate measurement of what matters and fast detection and correction of issues. According to Google's Site Reliability Engineering Book, measurement of critical user-facing signals is foundational: "SLIs must capture the aspects of the service that are most critical to users and must be measured with high accuracy." (SRE Book - Chapter: Service Level Objectives).

Without measuring the critical aspects of a service-latency, errors, availability, and quality-teams cannot make informed decisions or detect degradation effectively.

The SRE book also emphasizes reducing MTTR (Mean Time to Repair) and tightening the feedback loop between detection and correction. Google states: "Reducing the time between detection and mitigation is one of the most effective levers for improving availability." (SRE Book - Chapters on Incident Response & Monitoring). Rapid identification and resolution directly improve a system's availability and resilience.

Option D (1 and 4) is the only choice that correctly reflects SRE principles.

* Measuring critical aspects # essential for correct SLO/SLI alignment

* Maintaining a short interval between detection and correction # drives higher availability Options including staff performance measurement or generic development relationships are not mentioned as availability-driving factors in the SRE literature.

References:

Site Reliability Engineering: How Google Runs Production Systems, Chapters: "Service Level Objectives,"

"Monitoring Distributed Systems," and "Incident Response."

NEW QUESTION # 79

When outages are repetitive and similar, they become a form of toil.

Which of the following describes the MOST compelling reason to adopt advanced technologies and artificial intelligence (AI)?

- A. To increase the mean time to restore services (MTRS)
- B. To increase reliability and achieve perfect MTRS
- C. To increase the mean time to repair services (MTTR)
- **D. To increase reliability by reducing MTTR and MTRS**

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

SRE defines toil as "manual, repetitive, automatable, tactical work tied to running a service" (SRE Book - Eliminating Toil).

Repetitive outages are specifically noted as a form of operational toil. The SRE Book and SRE Workbook emphasize adopting automation, intelligent tooling, and machine-learning-assisted systems to reduce toil and decrease Mean Time to Repair (MTTR) and Mean Time to Restore Service (MTRS). The books state: "Reducing MTTR directly increases system reliability more effectively than attempting to eliminate all failures." (SRE Book - Chapter: Managing Incidents).

AI and advanced automation help detect issues faster, classify patterns, trigger automated remediation, and reduce human intervention-delivering reliability gains through faster repair rather than perfect uptime.

Option A is the only option aligned with SRE's reliability philosophy.

Options B and C incorrectly suggest increasing MTTR/MTRS.

Option D refers to "perfect MTRS," which is impossible and contradicts SRE's acceptance of failure.

Thus, A is correct.

References:

Site Reliability Engineering, Chapter: "Eliminating Toil," "Managing Incidents." The Site Reliability Workbook, ML/automation case studies.

NEW QUESTION # 80

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