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Question 1

Question Type: MultipleChoice

Your product is currently deployed in three Google Cloud Platform (GCP) zones with your users divided between the zones. You can fail over from one zone to another, but it causes a 10-minute service disruption for the affected users. You typically experience a database failure once per quarter and can detect it within five minutes. You are cataloging the reliability risks of a new real-time chat feature for your product. You catalog the following information for each risk:

* Mean Time to Detect (MUD} in minutes

* Mean Time to Repair (MTTR) in minutes

* Mean Time Between Failure (MTBF) in days

* User Impact Percentage

The chat feature requires a new database system that takes twice as long to successfully fail over between zones. You want to account for the risk of the new database failing in one zone. What would be the values for the risk of database failover with the new system?

A.

MTTD: 5

MTTR: 10

MTBF: 90

Impact: 33%

B.

MTTD:5

MTTR: 20

MTBF: 90

Impact: 33%

Options:

C) MTTD:5
MTTR: 10
MTBF: 90
Impact 50%
D.
MTTD:5
MTTR: 20
MTBF: 90
Impact: 50%

Answer:

C

Question 2

Question Type: MultipleChoice

You are part of an organization that follows SRE practices and principles. You are taking over the management of a new service from the Development Team, and you conduct a Production Readiness Review (PRR). After the PRR analysis phase, you determine that the service cannot currently meet its Service Level Objectives (SLOs). You want to ensure that the service can meet its SLOs in production. What should you do next?

Adjust the SLO targets to be achievable by the service so you can bring it into production.

Options:

B) Notify the development team that they will have to provide production support for the service.

C) Identify recommended reliability improvements to the service to be completed before handover.

D) Bring the service into production with no SLOs and build them when you have collected operational data.

Answer:

C

Question 3

Question Type: MultipleChoice

Your product is currently deployed in three Google Cloud Platform (GCP) zones with your users divided between the zones. You can fail over from one zone to another, but it causes a 10-minute service disruption for the affected users. You typically experience a database failure once per quarter and can detect it within five minutes. You are cataloging the reliability risks of a new real-time chat feature for your product. You catalog the following information for each risk:

* Mean Time to Detect (MUD} in minutes

* Mean Time to Repair (MTTR) in minutes

* Mean Time Between Failure (MTBF) in days

* User Impact Percentage

The chat feature requires a new database system that takes twice as long to successfully fail over between zones. You want to account for the risk of the new database failing in one zone. What would be the values for the risk of database failover with the new system?

A.

MTTD: 5

MTTR: 10

MTBF: 90

Impact: 33%

B.

MTTD:5

MTTR: 20

MTBF: 90

Impact: 33%

Options:

C) MTTD:5
MTTR: 10
MTBF: 90
Impact 50%
D.
MTTD:5
MTTR: 20
MTBF: 90
Impact: 50%

Answer:

C

Question 4

Question Type: MultipleChoice

You are part of an organization that follows SRE practices and principles. You are taking over the management of a new service from the Development Team, and you conduct a Production Readiness Review (PRR). After the PRR analysis phase, you determine that the service cannot currently meet its Service Level Objectives (SLOs). You want to ensure that the service can meet its SLOs in production. What should you do next?

Adjust the SLO targets to be achievable by the service so you can bring it into production.

Options:

B) Notify the development team that they will have to provide production support for the service.

C) Identify recommended reliability improvements to the service to be completed before handover.

D) Bring the service into production with no SLOs and build them when you have collected operational data.

Answer:

C