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QUESTION 1

Which of the following is used to estimate the average life span of a device?

- A. RTO
- B. RPO
- C. MTBF
- D. MTTR

Correct Answer: C

Understanding MTBF:

[uk.co.certification.simulator.questionpool.PList@3417c0b6](#) Calculation and Importance:

Comparison with Other Metrics:

Application:

References:

CompTIA Network+ study materials on reliability and maintenance metrics.

QUESTION 2

A research facility is expecting to see an exponential increase in global network traffic in the near future. The offices are equipped with 2.5Gbps fiber connections from the ISP, but the facility is currently only utilizing 1Gbps connections. Which of the following would need to be configured in order to use the ISP's connection speed?

- A. 802.1Q tagging
- B. Network address translation
- C. Port duplex
- D. Link aggregation

Correct Answer: D

Understanding Link Aggregation:

[uk.co.certification.simulator.questionpool.PList@70569ef2](#) Usage in High-Bandwidth Scenarios:

Comparison with Other Options:

Implementation:

References:

CompTIA Network+ study materials on network configuration and link aggregation.



QUESTION 3

Which of the following steps of the troubleshooting methodology would most likely include checking through each level of the OSI model after the problem has been identified?

- A. Establish a theory.
- B. Implement the solution.
- C. Create a plan of action.
- D. Verify functionality.

Correct Answer: A

QUESTION 4

A network engineer wants to establish a site-to-site VPN tunnel using a protocol that allows for both data confidentiality and authentication. Which of the following is the best choice?

- A. IKE
- B. AH
- C. ESP
- D. IPSec

Correct Answer: C

QUESTION 5

Which of the following is the most likely reason an insurance brokerage would enforce VPN usage?

- A. To encrypt sensitive data in transit
- B. To secure the endpoint
- C. To maintain contractual agreements
- D. To comply with data retention requirements

Correct Answer: A

The most likely reason an insurance brokerage would enforce VPN usage is to encrypt sensitive data in transit. VPNs (Virtual Private Networks) create a secure tunnel between the user's device and the corporate network, ensuring that data

is encrypted and protected from interception.

Encryption: VPNs encrypt data, preventing unauthorized access and ensuring data privacy during transmission over



public or unsecured networks. Data Protection: Essential for industries handling sensitive information, such as insurance

brokerages, to protect customer data and comply with regulatory requirements.

Security: Enhances overall network security by providing secure remote access for employees.

Network References:

CompTIA Network+ N10-007 Official Certification Guide: Discusses the role of VPNs in securing data in transit.

Cisco Networking Academy: Provides training on VPN technologies and their importance in data security.

Network+ Certification All-in-One guide: Explains VPN usage and its benefits in protecting sensitive information.

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