YGC2 Network and Security Foundations Version 1

Section: IT & Computer Studies • **Total Questions:** 10 • **Format:** Verified Q&A

1. A university interconnects multiple buildings using fiber-optic cabling. Which type of network is being used?

(A) CAN (campus area network)
(B) WAN (wide area network)
(C) SAN (storage area network)
(D) MAN (metropolitan area network)

2. Which team is responsible for performing this offensive testing?

(A) Purple team
(B) Red team
(C) White team
(D) Blue team

3. Which security principle does this approach align with?

(A) Psychological acceptability
(B) Complete mediation
(C) Open design
(D) Separation of duties

4. Which method provides the strongest wireless security?

(A) Using WEP encryption
(B) Hiding the SSID to make the network less visible
(C) Using WPA2 with a very long passphrase
(D) Using WPA3 encryption

5. Which type of encryption should be used?

(A) VPN
(B) IPSec
(C) Asymmetric
(D) Hashing

6. A user is experiencing DNS resolution failures when trying to access websites. At which OSI layer does DNS function?

(A) Network layer
(B) Presentation layer
(C) Application layer
(D) Session layer

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7. Which type of attack does this describe?

(A) Brute-force attack
(B) Phishing attack
(C) SQL injection attack
(D) Social engineering

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8. What should this organization expect to be required to do under this legislation?

(A) Securely dispose of personal identifiable information
(B) Compensate individuals for revenue from the sale of their information
(C) Disclose the software used to protect personal data
(D) Notify individuals each time their personal information is viewed

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9. Which AAA category does this apply to?

(A) Accounting
(B) Authentication
(C) Auditing
(D) Authorization

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10. A hospital uses an electronic medical records system to store patient information. What does the medical records system represent in terms of cybersecurity?

(A) Risk
(B) Asset
(C) Threat
(D) Vulnerability