

## Security Plus Flashcards PDF

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What is the primary purpose of a firewall?

To control incoming and outgoing network traffic based on predetermined security rules.

What does the acronym VPN stand for?

Virtual Private Network.

What is the difference between symmetric and asymmetric encryption?

Symmetric encryption uses the same key for both encryption and decryption, while asymmetric encryption uses a pair of keys (public and private).

What is a DDoS attack?

A Distributed Deny of Service attack, which aims to make a service unavailable by overwhelming it with traffic from multiple sources.

What is the purpose of an intrusion detection system (IDS)?

To monitor network traffic for suspicious activity and alert administrators.

What does the principle of least privilege entail?

Users should be granted the minimum levels of access – or permissions – needed to perform their job functions.

What is social engineering in the context of cybersecurity?

Manipulating individuals into divulging confidential or personal information that may be used for fraudulent purposes.

What is the function of antivirus software?

To detect, prevent, and remove malicious software (malware) from computers and networks.

What is a zero-day exploit?

A vulnerability that is unknown to the vendor and has not yet been patched.

What is multi-factor authentication ( MFA)?

A security system that requires more than one form of verification to gain access to a resource.