Module 1: Information Security Concepts - MCQs

Q1: What is the main goal of Information Security?

A. Ensure data integrity

B. Protect data from unauthorized access

C. Improve system speed

D. Create user-friendly interfaces

Answer: B

Q2: Which of the following best describes Computer Security?

A. Making software easier to use

B. Preventing unauthorized access and ensuring confidentiality, integrity, and availability

C. Increasing computer speed

D. Optimizing memory usage

Answer: B

Q3: Which of these is NOT a common threat to information systems?

A. Malware

B. Phishing

C. Firewalls

D. Denial of Service attacks

Answer: C

Q4: What is a vulnerability in the context of cybersecurity?

A. A secure feature

B. A type of malware

C. A weakness that can be exploited

D. A type of network

Answer: C

Q5: What is the purpose of Program Security?

A. To speed up program execution

B. To secure applications against unauthorized actions

C. To enhance GUI design

D. To improve program readability

Answer: B

Q6: Which of the following is an example of malicious code?

A. Firewall

B. Antivirus

C. Trojan Horse

D. Encryption

Answer: C

Q7: How does a virus typically spread?

A. Through hardware connections

B. Automatically replicates without user action

C. By attaching to executable files

D. Via satellite signals

Answer: C

Q8: What distinguishes a worm from a virus?

A. Worms need user action to spread

B. Worms replicate automatically

C. Worms are not harmful

D. Worms are hardware-based

Answer: B

Q9: What is a Trojan Horse?

A. A self-replicating malware

B. A legitimate-looking program that carries malicious code

C. A network scanning tool

D. An antivirus program

Answer: B

Q10: Which malware spreads without attaching to files?

A. Virus

B. Worm

C. Trojan Horse

D. Ransomware

Answer: B

Q11: Which of these is a basic principle of Information Security?

A. Confidentiality

B. Compression

C. Conduction

D. Compatibility

Answer: A

Q12: Which component is NOT part of the CIA triad?

A. Confidentiality

B. Integrity

C. Availability

D. Authentication

Answer: D

Q13: Which malware disguises itself as legitimate software?

A. Worm

B. Spyware

C. Trojan Horse

D. Adware

Answer: C

Q14: How does a Trojan Horse differ from a worm?

A. It is harmless

B. It disguises itself as legitimate software

C. It spreads on its own

D. It encrypts data

Answer: B

Q15: Which of these is a method to protect against malware?

A. Using pirated software

B. Disabling firewall

C. Installing antivirus software

D. Opening unknown attachments

Answer: C

Q16: What is the function of a firewall?

A. To cool down the processor

B. To protect against power surges

C. To monitor and control incoming and outgoing network traffic

D. To store passwords

Answer: C

Q17: Which is an example of harm caused by malware?

A. Increased RAM

B. Data theft

C. Improved system speed

D. Enhanced graphics

Answer: B

Q18: Which of these best defines 'threat' in cybersecurity?

A. A secure feature

B. A potential cause of an unwanted incident

C. A backup system

D. A security patch

Answer: B

Q19: Which countermeasure can detect and remove viruses?

A. Antivirus software

B. Spamming tools

C. Debuggers

D. Compilers

Answer: A

Q20: What is the primary function of access controls?

A. To monitor network traffic

B. To restrict unauthorized access

C. To install updates

D. To format storage devices

Answer: B