➢ **Vendor:** CompTIA

➢ **Exam Code:** SY0-501

➢ **Exam Name:** CompTIA Security+ Certification Exam

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QUESTION 1006
Which of the following serves to warn users against downloading and installing pirated software on company devices?

A. AUP
B. NDA
C. ISA
D. BPA

Answer: A

QUESTION 1007
An employee opens a web browser and types a URL into the address bar. Instead of reaching the requested site, the browser opens a completely different site. Which of the following types of attacks have MOST likely occurred? (Select TWO).

A. DNS hijacking
B. Cross-site scripting
C. Domain hijacking
D. Man-in-the-browser
E. Session hijacking

Answer: AD

QUESTION 1008
A company is experiencing an increasing number of systems that are locking up on Windows startup. The security analyst clones a machine, enters into safe mode, and discovers a file in the startup process that runs Wstart.bat.
```
@echo off
:asdhbawdhbasdhbawdhb
start notepad.exe
start notepad.exe
start calculator.exe
start calculator.exe
goto asdhbawdhbasdhbawdhb
```
Given the file contents and the system's issues, which of the following types of malware is present?

A. Rootkit
B. Logic bomb
C. Worm
D. Virus

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Answer: B

QUESTION 1009
Which of the following attacks can be mitigated by proper data retention policies?

A. Dumpster diving
B. Man-in-the-browser
C. Spear phishing
D. Watering hole

Answer: D

QUESTION 1010
A company employee recently retired, and there was a schedule delay because no one was capable of filling the employee's position. Which of the following practices would BEST help to prevent this situation in the future?

A. Mandatory vacation
B. Separation of duties
C. Job rotation
D. Exit interviews

Answer: C

QUESTION 1011
During a security audit of a company's network, unsecure protocols were found to be in use.
A network administrator wants to ensure browser-based access to company switches is using the most secure protocol.
Which of the following protocols should be implemented?

A. SSH2
B. TLS1.2
C. SSL1.3
D. SNMPv3

Answer: B

QUESTION 1012
A healthcare company is revamping its IT strategy in light of recent regulations. The company is concerned about compliance and wants to use a pay-per-use model.
Which of the following is the BEST solution?

A. On-premises hosting
B. Community cloud
C. Hosted infrastructure
D. Public SaaS

Answer: D

QUESTION 1013
Which of the following represents a multifactor authentication system?

A. An iris scanner coupled with a palm print reader and fingerprint scanner with liveness detection
B. A secret passcode that prompts the user to enter a secret key if entered correctly
C. A digital certificate on a physical token that is unlocked with a secret passcode
D. A one-time password token combined with a proximity badge

Answer: D

QUESTION 1014
A preventive control differs from a compensating control in that a preventive control is:

A. put in place to mitigate a weakness in a user control.
B. deployed to supplement an existing control that is EOL.
C. relied on to address gaps in the existing control structure.
D. designed to specifically mitigate a risk.

Answer: C

QUESTION 1015
The exploitation of a buffer-overrun vulnerability in an application will MOST likely lead
to:

A. arbitrary code execution.
B. resource exhaustion.
C. exposure of authentication credentials.
D. dereferencing of memory pointers.

Answer: A

QUESTION 1016
The president of a company that specializes in military contracts receives a request for an interview. During the interview, the reporter seems more interested in discussing the president's family life and personal history than the details of a recent company success. Which of the following security concerns is this MOST likely an example of?

A. Insider threat
B. Social engineering
C. Passive reconnaissance
D. Phishing

Answer: B

QUESTION 1017
Which of the following is an example of federated access management?

A. Windows passing user credentials on a peer-to-peer network
B. Applying a new user account with a complex password
C. Implementing a AM framework for network access
D. Using a popular website login to provide access to another website

Answer: D

QUESTION 1018
A company network is currently under attack. Although security controls are in place to stop the attack, the security administrator needs more information about the types of attacks being used. Which of the following network types would BEST help the administrator gather this information?

A. DMZ
B. Guest network
C. Ad hoc
D. Honeynet

Answer: D