



Thomas A. Edison Career & Technical Education H.S.

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Mr. Haripersaud
Instructor

Course: 12th Grade Security +

12th Grade Summer Assignment

Instructions: You must complete this assignment in full complete sentences. This assignment is due the first day of classes and it will count as (2) exam grades. You can either type or handwrite this assignment. If you hand write this assignment, it must be legible! If not, please type your work following this standard: double-spaced, size 11 font, Times New Roman.

If you have any questions regarding this assignment, contact Mr. Haripersaud at Nharipersaud@taehs.org.

Name: _____

OSIS: _____

Objectives Review

Review the CompTIA Security + certification exam objectives for assistance.

1.0 Network Security

What are the various types of network devices? Explain at least (5) devices.

2.0 Compliance and Operational Security

What are various policies that should be consider in reducing risk in a work environment?

What are some physical security methods for IT equipment?

What are some environmental control systems that could be secure?

3.0 Threats and Vulnerabilities

What is a malware? What are various types of malware?

What is social engineering? Give a scenario of social engineering.

4.0 Application, Data, and Host Security

What are some methods to securing your mobile device?

What is BYOD? What are some concerns when including a BYOD?

5.0 Access Control and Identity Management

What are some types of authentication services?

What is the difference between identification, authentication, and authorization?

6.0 Cryptography

What is cryptography? How is it related to IT security?

What are some types of cryptographic methods?

What is PKI? How does certificate management plays a role in IT security?

Vocabulary

Define the following terms in full sentences.

1. Adware
2. Virus
3. Spyware
4. Trojan
5. Rootkits
6. Backdoor
7. Logic bomb
8. Botnets
9. Ransomware
10. Polymorphic malware
11. Armored virus
12. Man-in-the-middle
13. DDoS
14. DoS
15. Replay
16. Smurf attack
17. Spoofing
18. Spam
19. Phishing
20. Shoulder surfing
21. Dumpster diving
22. Tailgating
23. Impersonation
24. Hoaxes
25. Whaling
26. Vishing
27. Buffer overflow
28. SQL injection
29. Session Hijacking
30. Packet sniffing

Acronyms

Decode the following.

1. BYOD
2. SSO
3. CERT
4. DHCP
5. DNS
6. DSA
7. EFS
8. EMI
9. FDE
10. FTP
11. HTML
12. HTTP
13. ICMP
14. IDS
15. IPSEC
16. IR
17. ISA
18. ISP
19. TPM
20. MITM
21. NAT
22. NFC
23. NIDS
24. NIPS
25. UTM
26. PII
27. PKI
28. PSK
29. SHA
30. SSL