

Question 3 Correct Mark 2.00 out of 2.00 Flag question	What term is used to describe concealing data in another file such as a graphic, audio, or other text file?  Select one:  steganography  masking hiding obfuscation	<b>~</b>
	Refer to curriculum topic: 4.3.2  Steganography conceals data in a file such as a graphic, audio, or other text file and is used to prevent extra attention to the encrypted data because the data is not easily viewed.  The correct answer is: steganography	а
Question 4 Correct Mark 2.00 out of 2.00  Flag question	Which three devices represent examples of physical access controls? (Choose three.)  Select one or more:  firewalls servers swipe cards routers video cameras locks	<b>&gt; &gt; &gt; &gt;</b>
	Refer to curriculum topic: 4.2.1 Physical access controls include but are not limited to the following:  Guards Fences	

Question 5	What encryption algorithm uses the same pre-shared key to encrypt and decrypt data?
Correct	Select one:
Mark 2.00 out of 2.00	asymmetric
Flag     question	one-time pad
question	<ul><li>symmetric</li></ul>
	hash
	Refer to curriculum topic: 4.1.1 Symmetric encryption algorithms use the same pre-shared key to encrypt and decrypt data.
	The correct answer is: symmetric
Question 6	What cryptographic algorithm is used by the NSA and includes the use of elliptical curves for digital signature generation and key exchange?
Correct	Select one:
Mark 2.00 out of 2.00	○ El-Gamal
	● ECC
question	○ IDEA
	RSA
	○ AES
	Refer to curriculum topic: 4.1.3
	Elliptic curve cryptography (ECC) uses elliptic curves as part of the algorithm for digital signature generation and key exchange.
	The correct answer is: ECC

Question <b>7</b> Correct Mark 2.00 out of 2.00  Flag question	Which type of cipher is able to encrypt a fixed-length block of plaintext into a 128-bit block of ciphertext at any one time?  Select one:     symmetric     hash     transform     stream  block
	Refer to curriculum topic: 4.1.2 Block ciphers transform a fixed-length block of plaintext into a block of ciphertext. To decrypt the ciphertext, the same secret key to encrypt is used in reverse.  The correct answer is: block
Question 8 Correct Mark 2.00 out of 2.00 Flag question	Which two terms are used to describe cipher keys? (Choose two.)  Select one or more:  key randomness  key space  keylogging  key length
	Refer to curriculum topic: 4.1.4 The two terms used to describe keys are the following:  • Key length - Also called the key, this is the measure in bits.  • Keyspace - This is the number of possibilities that a specific key length can generate.  As key length increase, the keyspace increases exponentially.

Question 9

Partially correct

Mark 1.00 out of 2.00

▼ Flag question Match the description with the correct term. (Not all targets are used.)

hiding data within an audio file steganalysis obfuscation making a message confusing so it is harder to understand discovering that hidden information exists within a graphic file steganography social steganography | creating a message that says one thing but means something else to a specific audience 🗢 🗸

The correct answer is: steganalysis → discovering that hidden information exists within a graphic file, obfuscation → making a message confusing so it is harder to understand, steganography → hiding data within an audio file, social steganography → creating a message that says one thing but means something else to a specific audience

Question 10

Correct

Mark 2.00 out of 2.00

▼ Flag question What is the term used to describe the science of making and breaking secret codes?

Select one:

spoofing

factorization

impersonation

cryptology

jamming

Refer to curriculum topic: 4.1.1

Cryptology is the science of making and breaking codes to make sure that cyber criminals cannot easily compromise protected information.

The correct answer is: cryptology

Question 11 Correct Mark 2.00 out of 2.00  Flag question	Which 128-bit block cipher encryption algorithm does the US government use to protect classified information?  Select one: Caesar Vignere 3DES Skipjack AES
	Refer to curriculum topic: 4.1.2 The Advanced Encryption Standard (AES) is used to protect classified information by the U.S. government and is a strong algorithm that uses longer key lengths. The correct answer is: AES
Question 12 Correct Mark 2.00 out of 2.00  Flag question	What type of cipher encrypts plaintext one byte or one bit at a time?  Select one: enigma block elliptical stream hash
	Refer to curriculum topic: 4.1.2 Stream ciphers encrypt plaintext one byte or one bit at a time, and can be much faster than block ciphers.

Question 13 Incorrect Mark 0.00 out of 2.00  P Flag question	What encryption algorithm uses one key to encrypt data and a different key to decrypt data?  Select one:  symmetric  one-time pad  asymmetric  transposition	×
	Refer to curriculum topic: 4.1.1 Asymmetric encryption uses one key to encrypt data and a different key to decrypt data. The correct answer is: asymmetric	
Question 14 Correct Mark 2.00 out of 2.00  Flag question	Which three processes are examples of logical access controls? (Choose three.)  Select one or more:  if irewalls to monitor traffic  fences to protect the perimeter of a building  biometrics to validate physical characteristics  intrusion detection system (IDS) to watch for suspicious network activity  guards to monitor security screens	<b>* * *</b>
	Refer to curriculum topic: 4.2.1 Logical access controls includes but is not limited to the following:  • Encryption • Smart cards • Passwords	

	for suspicious network activity
Question <b>15</b> Correct	A warning banner that lists the negative outcomes of breaking company policy is displayed each time a computer user logs in to the machine. What type of access control is implemented?
Mark 2.00 out of 2.00	Select one:  • deterrent
question	preventive
	detective
	masking
	Refer to curriculum topic: 4.2.7  Deterrents are implemented to discourage or mitigate an action or the behavior of a malicious person.  The correct answer is: deterrent
Question <b>16</b> Correct	What term is used to describe the technology that replaces sensitive information with a nonsensitive version?
Mark 2.00 out of 2.00	Select one:  hiding
Flag     question	blanking  macking
	<ul><li>masking</li><li>retracting</li></ul>
	whiteout
	Refer to curriculum topic: 4.3.1  Data masking replaces sensitive information with nonsensitive information. After replacement, the nonsensitive version looks and acts like the

Question 17	What are three examples of administrative access controls? (Choose three.)	
Correct	Select one or more:	
Mark 2.00 out of	background checks	<b>~</b>
2.00	guard dogs	
P Flag question	policies and procedures	~
	encryption	
	hiring practices	<b>~</b>
	intrusion detection system (IDS)	
	Refer to curriculum topic: 4.2.1  Administrative access controls are defined by organizations to implement and enforce all aspects of controlling unauthorized access and include the following:  Policies Procedures Hiring practices Background checks Data classification Security training Reviews  The correct answers are: policies and procedures, background checks, hiring practices	
40	Which tarm describes the technology, that protects defluers from uncuthorized access or modification?	
Question 18	Which term describes the technology that protects software from unauthorized access or modification?	
Mark 2.00 out of	Select one:	
mant 2.00 out of		
2.00	access control	
2.00 > Flag	access control trademark	

Question 19 Which asymmetric algorithm provides an electronic key exchange method to share the secret key? Correct Select one: Mark 2.00 out of hashing 2.00 WEP ▼ Flag question RSA Diffie-Hellman DES Refer to curriculum topic: 4.1.3 Diffie-Hellman provides an electronic exchange method to share a secret key and is used by multiple secure protocols. The correct answer is: Diffie-Hellman Question 20 Match the type of multifactor authentication with the description. Correct something you know ◆ a password Mark 2.00 out of 2.00 a fingerprint scan something you are 💠 🗸

Refer to curriculum topic: 4.2.4

a security key fob something you have \$

Multi-factor authentication uses a minimum of two methods of verification and can include the following:

Something you have

▼ Flag

question

- Something you know
- Something you are

The correct answer is: a password  $\rightarrow$  something you know, a fingerprint scan  $\rightarrow$  something you are, a security key fob  $\rightarrow$  something you have