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Cisco Cybersecurity Essentials

Started on	Tuesday, 24 October 2023, 1:21 PM
State	Finished
Completed on	Tuesday, 24 October 2023, 1:28 PM
Time taken	6 mins 49 secs
Marks	40.00/40.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 2.00 out of 2.00

What are three types of sensitive information? (Choose three.)

Select one or more:

✓ classified ✓

declassified

published

public

✓ PII ✓

✓ business ✓

Refer to curriculum topic: 2.2.1
Sensitive information is information that would otherwise cause harm to a company or individual if publicly disclosed.

The correct answers are: PII, business, classified

Question 2

Correct

Mark 2.00 out of 2.00

What is a secure virtual network called that uses the public network?

Select one:

○ Firewall

○ NAC

○ IDS

○ VPN ✓

○ MPLS

○ IPS

Refer to curriculum topic: 2.4.1
The term VPN describes a virtual network that uses encryption to protect data when traveling across Internet media.

The correct answer is: VPN

Question **3**

Correct

Mark 2.00 out of 2.00

What is identified by the first dimension of the cybersecurity cube?

Select one:

○ knowledge

○ safeguards

○ rules

○ goals ✔

○ tools

Refer to curriculum topic: 2.1.1
The first dimension of the cybersecurity sorcery cube identifies the goals or security principles required to protect the cyber world.

The correct answer is: goals

Question **4**

Correct

Mark 2.00 out of 2.00

What are the three states of data? (Choose three.)

Select one or more:

☑ in-transit ✔

  encrypted

☑ at rest ✔

  suspended

☑ in-process ✔

  in-cloud

Refer to curriculum topic: 2.3.1
The protection of the cyber world requires cybersecurity professionals to account for the safeguarding of data in-transit, in-cloud, and at rest.

The correct answers are: at rest, in-transit, in-process

Question **5**

Correct

Mark 2.00 out of 2.00

What mechanism can organizations use to prevent accidental changes by authorized users?

Select one:

○ hashing

◉ version control   ✔

○ encryption

○ backups

○ SHA-1

Refer to curriculum topic: 2.2.2
Version control ensures that two users cannot update the same object.

The correct answer is: version control

Question **6**

Correct

Mark 2.00 out of 2.00

What is a method of sending information from one device to another using removable media?

Select one:

○ LAN

○ wireless

◉ sneaker net   ✔

○ wired

○ packet

○ infrared

Refer to curriculum topic: 2.3.2
Sneaker net refers to hand delivering the removable data.

The correct answer is: sneaker net

Question **7**

Correct

Mark 2.00 out of 2.00

What principle prevents the disclosure of information to unauthorized people, resources, and processes?

Select one:

○ integrity

○ accounting

○ confidentiality   ✔

○ nonrepudiation

○ availability

Refer to curriculum topic: 2.2.1
The security principle of confidentiality refers to the prevention of the disclosure of information to unauthorized people, resources, and processes.

The correct answer is: confidentiality

Question **8**

Correct

Mark 2.00 out of 2.00

What name is given to any changes to the original data such as users manually modifying data, programs processing and changing data, and equipment failures?

Select one:

○ deletion

○ dissemination

○ integrity

○ corruption

○ backup

○ modification   ✔

Refer to curriculum topic: 2.3.3
Modification involves changes to the original data and not complete deletion of the data.

The correct answer is: modification

Question **9**

Correct

Mark 2.00 out of 2.00

What service determines which resources a user can access along with the operations that a user can perform?

Select one:

○ accounting

○ authentication

○ token

◉ authorization ✔

○ biometric

Refer to curriculum topic: 2.2.1
Authorization determines whether a user has certain access privileges.

The correct answer is: authorization

Question **10**

Correct

Mark 2.00 out of 2.00

What name is given to a storage device connected to a network?

Select one:

◉ NAS ✔

○ SAN

○ DAS

○ RAID

○ Cloud

Refer to curriculum topic: 2.3.1
NAS refers to a storage device connected to a network that allows storage and retrieval of data from a centralized location by authorized network users.

The correct answer is: NAS

Question **11**

Correct

Mark 2.00 out of 2.00

What are three access control security services? (Choose three.)

Select one or more:

access

✓ authentication ✓

✓ accounting ✓

availability

✓ authorization ✓

repudiation

Refer to curriculum topic: 2.2.1
This question refers to AAA authentication, authorization, and accountability.

The correct answers are: authentication, authorization, accounting

Question **12**

Correct

Mark 2.00 out of 2.00

What three methods help to ensure system availability? (Choose three.)

Select one or more:

✓ system backups ✓

system resiliency

fire extinguishers

✓ up-to-date operating systems ✓

integrity checking

✓ equipment maintenance ✓

The correct answers are: system backups, equipment maintenance, up-to-date operating systems

Question **13**

Correct

Mark 2.00 out of 2.00

What are two common hash functions? (Choose two.)

Select one or more:

RSA

✓ SHA ✓

Blowfish

✓ MD5 ✓

RC4

ECC

Refer to curriculum topic: 2.2.2
SHA and MD5 use use complex mathematical algorithms to compute hash values.

The correct answers are: SHA, MD5

Question **14**

Correct

Mark 2.00 out of 2.00

What three tasks are accomplished by a comprehensive security policy? (Choose three.)

Select one or more:

✓   gives security staff the backing of management   ✔

✓   sets rules for expected behavior   ✔

    useful for management

    is not legally binding

    vagueness

✓   defines legal consequences of violations   ✔

Refer to curriculum topic: 2.4.3
Policy sets the establishment of rules and guidelines for the business.

The correct answers are: sets rules for expected behavior, defines legal consequences of violations, gives security staff the backing of management

Question **15**

Correct

Mark 2.00 out of 2.00

What type of cybersecurity laws protect you from an organization that might want to share your sensitive data?

Select one:

◯   authentication

◯   integrity

◯   confidentiality

◯   privacy   ✔

◯   nonrepudiation

Refer to curriculum topic: 2.2.1
Privacy laws control appropriate use of data and access to data.

The correct answer is: privacy

Question **16**

Correct

Mark 2.00 out of 2.00

For the purpose of authentication, what three methods are used to verify identity? (Choose three.)

Select one or more:

- ✓ something you are ✔

- where you are

- ✓ something you know ✔

- something you do

- ✓ something you have ✔

Refer to curriculum topic: 2.2.1
The forms of authentication are something you know, have, or are.

The correct answers are: something you know, something you have, something you are

Question **17**

Correct

Mark 2.00 out of 2.00

What three design principles help to ensure high availability? (Choose three.)

Select one or more:

- ✓ provide for reliable crossover ✔

- check for data consistency

- ensure confidentiality

- ✓ detect failures as they occur ✔

- ✓ eliminate single points of failure ✔

- use encryption

Refer to curriculum topic: 2.2.3
High availability systems typically include these three design principles.

The correct answers are: detect failures as they occur, provide for reliable crossover, eliminate single points of failure

Question **18**

Correct

Mark 2.00 out of 2.00

Which two methods help to ensure data integrity? (Choose two.)

Select one or more:

    ✓ hashing   ✔

    ✓ data consistency checks   ✔

        privacy

        availability

        repudiation

        authorization

Refer to curriculum topic: 2.2.2
Data integrity systems include one of the two data integrity methods.

The correct answers are: hashing, data consistency checks

Question **19**

Correct

Mark 2.00 out of 2.00

What are the three foundational principles of the cybersecurity domain? (Choose three.)

Select one or more:

        security

        policy

        encryption

    ✓ availability   ✔

    ✓ integrity   ✔

    ✓ confidentiality   ✔

Refer to curriculum topic: 2.1.1
Three foundational security principles are confidentiality, integrity and availability.

The correct answers are: confidentiality, integrity, availability

Question 20

Correct

Mark 2.00 out of 2.00

What are two methods that ensure confidentiality? (Choose two.)

Select one or more:

authorization

integrity

✓ authentication   ✔

nonrepudiation

availability

✓ encryption   ✔

Refer to curriculum topic: 2.2.1
Confidentiality means viewing of information only for those who need to know. This can be accomplished by encrypting data and authenticating users who request access.

The correct answers are: encryption, authentication

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