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Introduction to Cybersecurity English 1220

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Started on	Tuesday, 29 December 2020, 3:19 PM
State	Finished
Completed on	Tuesday, 29 December 2020, 3:28 PM
Time taken	8 mins 19 secs
Marks	16.67/20.00
Grade	**83.33** out of 100.00

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Finish review

Question 1
Correct
Mark 2.00 out of 2.00
⚑ Flag question

Which method is used to check the integrity of data?

Select one:
- ○ backup
- ◉ checksum ✔
- ○ encryption
- ○ authentication

Refer to curriculum topic: 1.2.1
A checksum value of a block of data is calculated and transmitted with the data. After the data is received, the checksum hashing is performed again. The calculated value is compared with the transmitted value to verify the integrity of the data.

The correct answer is: checksum

Question 2
Correct
Mark 2.00 out of 2.00
⚑ Flag question

What three items are components of the CIA triad? (Choose three.)

Select one or more:
- ☑ availability ✔
- ☑ integrity ✔
- ☐ access
- ☑ confidentiality ✔
- ☐ scalability
- ☐ intervention

Refer to curriculum topic: 1.2.1
The CIA triad contains three components: confidentiality, integrity, and availability. It is a guideline for information security for an organization.

The correct answers are: integrity, availability, confidentiality

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Question 3
Correct
Mark 2.00 out of 2.00
⚑ Flag question

What is a reason that internal security threats might cause greater damage to an organization than external security threats?

Select one:
- ○ Internal users can access the infrastructure devices through the Internet.
- ◉ Internal users have direct access to the infrastructure devices. ✔
- ○ Internal users can access the corporate data without authentication.
- ○ Internal users have better hacking skills.

Refer to curriculum topic: 1.3.1
Internal threats have the potential to cause greater damage than external threats because internal users have direct access to the building and its infrastructure devices. Internal users may not have better hacking skills than external attackers. Both internal users and external users can access the network devices through the Internet. A well designed security implementation should require authentication before corporate data is accessed, regardless of whether the access request is from within the corporate campus or from the outside network.

The correct answer is: Internal users have direct access to the infrastructure devices.
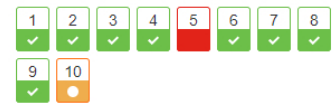

Question 4
Correct
Mark 2.00 out of 2.00
⚑ Flag question

What is the motivation of a white hat attacker?

Select one:
- ○ fine tuning network devices to improve their performance and efficiency
- ○ taking advantage of any vulnerability for illegal personal gain
- ○ studying operating systems of various platforms to develop a new system
- ◉ discovering weaknesses of networks and systems to improve the security level of these systems ✔

Question 5

Incorrect

Mark 0.00 out of 2.00

⚑ Flag question

What is an example of "hacktivism"?

Select one:

- ○ A group of environmentalists launch a denial of service attack against an oil company that is responsible for a large oil spill.
- ○ A teenager breaks into the web server of a local newspaper and posts a picture of a favorite cartoon character.
- ◉ A country tries to steal defense secrets from another country by infiltrating government networks. ✘
- ○ Criminals use the Internet to attempt to steal money from a banking company.

Refer to curriculum topic: 1.3.1
Hacktivism is a term used to describe cyberattacks carried out by people who are considered political or ideological extremists. Hacktivists attack people or organizations that they believe are enemies to the hacktivist agenda.

The correct answer is: A group of environmentalists launch a denial of service attack against an oil company that is responsible for a large oil spill.

Question 6

Correct

Mark 2.00 out of 2.00

⚑ Flag question

What are three methods that can be used to ensure confidentiality of information? (Choose three.)

Select one or more:

- ☑ username ID and password ✔
- ☐ version control
- ☐ file permission settings
- ☑ data encryption ✔
- ☐ backup
- ☑ two factor authentication ✔

Refer to curriculum topic: 1.2.1
Methods including data encryption, username ID and password, and two factor authentication can be used to help ensure confidentiality of information. File permission control, version control, and backup are methods that can be used to help ensure integrity of information.

The correct answers are: data encryption, two factor authentication, username ID and password

Question 7

Correct

Mark 2.00 out of 2.00

⚑ Flag question

Fill in the blank.

The individual user profile on a social network site is an example of a/an [online] ✔ identity.

Question 8

Correct

Mark 2.00 out of 2.00

⚑ Flag question

What is another name for confidentiality of information?

Select one:

- ○ accuracy
- ◉ privacy ✔
- ○ trustworthiness
- ○ consistency

Refer to curriculum topic: 1.2.1
Privacy is another name for confidentiality. Accuracy, consistency, and trustworthiness describe integrity of data.

The correct answer is: privacy

Question 9

Correct

Mark 2.00 out of 2.00

⚑ Flag question

Which statement describes cyberwarfare?

Select one:

- ○ Cyberwarfare is an attack carried out by a group of script kiddies.
- ◉ It is Internet-based conflict that involves the penetration of information systems of other nations. ✔
- ○ It is a series of personal protective equipment developed for soldiers involved in nuclear war.
- ○ It is simulation software for Air Force pilots that allows them to practice under a simulated war scenario.

Refer to curriculum topic: 1.4.1
Cyberwarfare is Internet-based conflict that involves the penetration of the networks and computer systems of other nations. Organized hackers are typically involved in such an attack.

The correct answer is: It is Internet-based conflict that involves the penetration of information systems of other

nations.

Question 10

Partially correct

Mark 0.67 out of 2.00

⚐ Flag question

Match the type of cyber attackers to the description. (Not all options are used.)

make political statements, or create fear, by causing physical or psychological damage to victims	hacktivists ⇕
	✗
gather intelligence or commit sabotage on specific goals on behalf of their government	state-sponsored attackers ⇕
	✓
make political statements in order to create an awareness of issues that are important to them	script kiddies ⇕
	✗

The correct answer is: make political statements, or create fear, by causing physical or psychological damage to victims → terrorists, gather intelligence or commit sabotage on specific goals on behalf of their government → state-sponsored attackers, make political statements in order to create an awareness of issues that are important to them → hacktivists

Finish review

◄ Chapter 1: Terms and Concepts Practice

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