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## India\_Internship Version 2\_DTC\_CYBESS

**Started on** Wednesday, 18 May 2022, 12:27 PM**State** Finished**Completed on** Wednesday, 18 May 2022, 12:43 PM**Time taken** 16 mins 16 secs**Grade** 100.00 out of 100.00**Question 1**

Correct

Mark 2.00 out of 2.00

A cybersecurity specialist is working with the IT staff to establish an effective information security plan. Which combination of security principles forms the foundation of a security plan?

Select one:

- ☐ secrecy, identify, and nonrepudiation
- ☒ confidentiality, integrity, and availability
- ☐ encryption, authentication, and identification
- ☐ technologies, policies, and awareness



Refer to curriculum topic: 2.1.1

The CIA Triad is the foundation upon which all information management systems are developed.

The correct answer is: confidentiality, integrity, and availability

**Question 2**

Correct

Mark 2.00 out of 2.00

Which algorithm will Windows use by default when a user intends to encrypt files and folders in an NTFS volume?

Select one:

- ☐ DES
- ☒ AES
- ☐ 3DES
- ☐ RSA



Refer to curriculum topic: 4.1.4

Encryption is an important technology used to protect confidentiality. It is important to understand the characteristics of the various encryption methodologies.

The correct answer is: AES

Question 3

Correct

Mark 2.00 out of 2.00

An organization allows employees to work from home two days a week. Which technology should be implemented to ensure data confidentiality as data is transmitted?

Select one:

- ☐ VLANS
- ☐ SHS
- ☒ VPN
- ☐ RAID



Refer to curriculum topic: 2.4.1

Protecting data confidentiality requires an understanding of the technologies used to protect data in all three data states.

The correct answer is: VPN

Question 4

Correct

Mark 2.00 out of 2.00

Which of the following products or technologies would you use to establish a baseline for an operating system?

Select one:

- ☒ Microsoft Security Baseline Analyzer
- ☐ MS Baseliner
- ☐ SANS Baselining System (SBS)
- ☐ CVE Baseline Analyzer



Refer to curriculum topic: 7.1.1

There are many tools that a cybersecurity specialist uses to evaluate the potential vulnerabilities of an organization.

The correct answer is: Microsoft Security Baseline Analyzer

Question 5

Correct

Mark 2.00 out of 2.00

What is it called when an organization only installs applications that meet its guidelines, and administrators increase security by eliminating all other applications?

Select one:

- ☒ asset standardization
- ☐ asset classification
- ☐ asset identification
- ☐ asset availability



Refer to curriculum topic: 6.2.1

An organization needs to know what hardware and software are present as a prerequisite to knowing what the configuration parameters need to be. Asset management includes a complete inventory of hardware and software. Asset standards identify specific hardware and software products that the organization uses and supports. When a failure occurs, prompt action helps to maintain both access and security.

The correct answer is: asset standardization

Question 6

Correct

Mark 2.00 out of 2.00

A security specialist is asked for advice on a security measure to prevent unauthorized hosts from accessing the home network of employees. Which measure would be most effective?

Select one:

- ☐ Implement a VLAN.
- ☒ Implement a firewall.
- ☐ Implement RAID.
- ☐ Implement intrusion detection systems.



Refer to curriculum topic: 2.4.1

Protecting data confidentiality requires an understanding of the technologies used to protect data in all three data states.

The correct answer is: Implement a firewall.

Question 7

Correct

Mark 2.00 out of 2.00

What approach to availability provides the most comprehensive protection because multiple defenses coordinate together to prevent attacks?

Select one:

- ☒ layering
- ☐ diversity
- ☐ limiting
- ☐ obscurity



Refer to curriculum topic: 6.2.2

Defense in depth utilizes multiple layers of security controls.

The correct answer is: layering

Question 8

Correct

Mark 2.00 out of 2.00

An organization wants to adopt a labeling system based on the value, sensitivity, and criticality of the information. What element of risk management is recommended?

Select one:

- ☐ asset availability
- ☐ asset standardization
- ☒ asset classification
- ☐ asset identification



Refer to curriculum topic: 6.2.1

One of the most important steps in risk management is asset classification.

The correct answer is: asset classification

Question **9**

Correct

Mark 2.00 out of 2.00

Passwords, passphrases, and PINs are examples of which security term?

Select one:

- ☐ authorization
- ☒ authentication
- ☐ access
- ☐ identification



Refer to curriculum topic: 4.2.4  
Authentication methods are used to strengthen access control systems. It is important to understand the available authentication methods.  
The correct answer is: authentication

Question **10**

Correct

Mark 2.00 out of 2.00

What is a nontechnical method that a cybercriminal would use to gather sensitive information from an organization?

Select one:

- ☐ pharming
- ☒ social engineering
- ☐ man-in-the-middle
- ☐ ransomware



Refer to curriculum topic: 3.2.1  
A cybersecurity specialist needs to be familiar with the characteristics of the different types of malware and attacks that threaten an organization.  
The correct answer is: social engineering

◀ Chapter 8 Quiz

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