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## India\_Internship Version 2\_DTC\_CYBESS

### Question 31

Correct

Mark 2.00 out of 2.00

Which law was enacted to prevent corporate accounting-related crimes?

Select one:

- ☒ Sarbanes-Oxley Act
- ☐ The Federal Information Security Management Act
- ☐ Gramm-Leach-Bliley Act
- ☐ Import/Export Encryption Act



Refer to curriculum topic: 8.2.2

New laws and regulations have come about to protect organizations, citizens, and nations from cybersecurity attacks.

The correct answer is: Sarbanes-Oxley Act

### Question 32

Correct

Mark 2.00 out of 2.00

Alice and Bob use a pre-shared key to exchange a confidential message. If Bob wants to send a confidential message to Carol, what key should he use?

Select one:

- ☐ the same pre-shared key he used with Alice
- ☐ the private key of Carol
- ☐ the public key of Bob
- ☒ a new pre-shared key



Refer to curriculum topic: 4.1.2

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: a new pre-shared key

Question **33**

Correct

Mark 2.00 out of 2.00

Which technology would you implement to provide high availability for data storage?

Select one:

- ☐ N+1
- ☒ RAID
- ☐ hot standby
- ☐ software updates



Refer to curriculum topic: 6.2.3

System and data availability is a critical responsibility of a cybersecurity specialist. It is important to understand the technologies, process, and controls used to provide redundancy.

The correct answer is: RAID

Question **34**

Correct

Mark 2.00 out of 2.00

Which two protocols pose switching threats? (Choose two.)

Select one or more:

- ☐ WPA2
- ☐ RIP
- ☐ ICMP
- ☐ IP
- ☒ STP
- ☒ ARP



Refer to curriculum topic: 7.3.1

Network switches are the heart of the modern data communication network. The main threats to network switches are theft, hacking and remote access, and attacks against network protocols.

The correct answers are: ARP, STP

Question **35**

Correct

Mark 2.00 out of 2.00

Which national resource was developed as a result of a U.S. Executive Order after a ten-month collaborative study involving over 3,000 security professionals?

Select one:

- ☒ NIST Framework
- ☐ the National Vulnerability Database (NVD)
- ☐ ISO/IEC 27000
- ☐ ISO OSI model



Refer to curriculum topic: 8.3.1

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

The correct answer is: NIST Framework

## Question 36

Correct

Mark 2.00 out of 2.00

An organization has recently adopted a five nines program for two critical database servers. What type of controls will this involve?

Select one:

- ☐ remote access to thousands of external users
- ☒ improving reliability and uptime of the servers
- ☐ stronger encryption systems
- ☐ limiting access to the data on these systems



Refer to curriculum topic: 6.1.1

System and data availability is a critical responsibility of a cybersecurity specialists. It is important to understand the technologies, process, and controls used to provide high availability.

The correct answer is: improving reliability and uptime of the servers

## Question 37

Correct

Mark 2.00 out of 2.00

A user has a large amount of data that needs to be kept confidential. Which algorithm would best meet this requirement?

Select one:

- ☐ ECC
- ☒ 3DES
- ☐ Diffie-Hellman
- ☐ 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: 3DES

## Question 38

Correct

Mark 2.00 out of 2.00

An organization just completed a security audit. Your division was cited for not conforming to X.509 requirements. What is the first security control you need to examine?

Select one:

- ☐ VPNs and encryption services
- ☐ data validation rules
- ☐ hashing operations
- ☒ digital certificates



Refer to curriculum topic: 5.3.2

Digital certificates protect the parties involved in secure communications.

The correct answer is: digital certificates

Question **39**

Correct

Mark 2.00 out of 2.00

Keeping data backups offsite is an example of which type of disaster recovery control?

Select one:

- ☒ preventive
- ☐ management
- ☐ detective
- ☐ corrective



Refer to curriculum topic: 6.4.1

A disaster recovery plan enables an organization to prepare for potential disasters and minimize the resulting downtime.

The correct answer is: preventive

Question **40**

Correct

Mark 2.00 out of 2.00

Which technology can be implemented as part of an authentication system to verify the identification of employees?

Select one:

- ☐ a Mantrap
- ☒ a smart card reader
- ☐ a virtual fingerprint
- ☐ SHA-1 hash



Refer to curriculum topic: 2.2.1

A cybersecurity specialist must be aware of the technologies available that support the CIA triad.

The correct answer is: a smart card reader

◀ Chapter 8 Quiz

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