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India_Internship Version 2_DTC_CYBESS

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Question **41**

Correct

Mark 2.00 out of 2.00

Which hashing technology requires keys to be exchanged?

Select one:

○ HMAC ✔

○ MD5

○ AES

○ salting

Refer to curriculum topic: 5.1.3
The difference between HMAC and hashing is the use of keys.

The correct answer is: HMAC

Question **42**

Correct

Mark 2.00 out of 2.00

An organization has determined that an employee has been cracking passwords on administrative accounts in order to access very sensitive payroll information. Which tools would you look for on the system of the employee? (Choose three)

Select one or more:

☐ algorithm tables

✓ rainbow tables ✔

✓ reverse lookup tables ✔

✓ lookup tables ✔

☐ rouge access points

☐ password digest

Refer to curriculum topic: 5.1.2
Tables that contain possible password combinations are used to crack passwords.

The correct answers are: rainbow tables, lookup tables, reverse lookup tables

Question 43

Correct

Mark 2.00 out of 2.00

Alice and Bob are using a digital signature to sign a document. What key should Alice use to sign the document so that Bob can make sure that the document came from Alice?

Select one:

○ username and password from Alice

○ public key from Bob

◉ private key from Alice ✔

○ private key from Bob

Refer to curriculum topic: 5.2.2
Alice and Bob are used to explain asymmetric cryptography used in digital signatures. Alice uses a private key to encrypt the message digest. The message, encrypted message digest, and the public key are used to create the signed document and prepare it for transmission.

The correct answer is: private key from Alice

Question 44

Correct

Mark 2.00 out of 2.00

What type of attack will make illegitimate websites higher in a web search result list?

Select one:

○ browser hijacker

○ DNS poisoning

○ spam

◉ SEO poisoning ✔

Refer to curriculum topic: 3.1.2
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: SEO poisoning

Question 45

Correct

Mark 2.00 out of 2.00

An executive manager went to an important meeting. The secretary in the office receives a call from a person claiming that the executive manager is about to give an important presentation but the presentation files are corrupted. The caller sternly recommends that the secretary email the presentation right away to a personal email address. The caller also states that the executive is holding the secretary responsible for the success of this presentation. Which type of social engineering tactic would describe this scenario?

Select one:

○ urgency

◉ intimidation ✔

○ familiarity

○ trusted partners

Refer to curriculum topic: 3.2.1
Social engineering uses several different tactics to gain information from victims.

The correct answer is: intimidation

Question **46**

Correct

Mark 2.00 out of 2.00

Which technology could be used to prevent a cracker from launching a dictionary or brute-force attack off a hash?

Select one:

○ AES

○ MD5

○ rainbow tables

○ HMAC   ✔

Refer to curriculum topic: 5.1.3
HMACs use an additional secret key as input to the hash function. This adds another layer of security to the hash in order to defeat man-in-the-middle attacks and provide authentication of the data source.

The correct answer is: HMAC

Question **47**

Correct

Mark 2.00 out of 2.00

Users report that the database on the main server cannot be accessed. A database administrator verifies the issue and notices that the database file is now encrypted. The organization receives a threatening email demanding payment for the decryption of the database file. What type of attack has the organization experienced?

Select one:

○ ransomeware   ✔

○ man-in-the-middle attack

○ Trojan horse

○ DoS attack

Refer to curriculum topic: 3.1.1
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: ransomeware

Question **48**

Correct

Mark 2.00 out of 2.00

An organization has implemented antivirus software. What type of security control did the company implement?

Select one:

○ compensative control

○ deterrent control

○ recovery control   ✔

○ detective control

Refer to curriculum topic: 4.2.7
A cybersecurity specialist must be aware of the technologies and measures that are used as countermeasures to protect the organization from threats and vulnerabilities.

The correct answer is: recovery control

Question 49

Correct

Mark 2.00 out of 2.00

A cyber criminal sends a series of maliciously formatted packets to the database server. The server cannot parse the packets and the event causes the server crash. What is the type of attack the cyber criminal launches?

Select one:

○ man-in-the-middle

○ packet Injection

◉ DoS ✔

○ SQL injection

Refer to curriculum topic: 3.3.1
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: DoS

Question 50

Correct

Mark 2.00 out of 2.00

In a comparison of biometric systems, what is the crossover error rate?

Select one:

○ rate of false positives and rate of acceptability

○ rate of rejection and rate of false negatives

○ rate of acceptability and rate of false negatives

◉ rate of false negatives and rate of false positives ✔

Refer to curriculum topic: 7.4.1
In comparing biometric systems, there are several important factors to consider including accuracy, speed or throughput rate, and acceptability to users.

The correct answer is: rate of false negatives and rate of false positives

◄ Chapter 8 Quiz

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