212-82 Q&As

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QUESTION 1

Brielle. a security professional, was instructed to secure her organization\\'s network from malicious activities. To achieve this, she started monitoring network activities on a control system that collected event data from various sources. During this process. Brielle observed that a malicious actor had logged in to access a network device connected to the organizational network. Which of the following types of events did Brielle identify in the above scenario?

A. Failure audit

B. Error

C. Success audit

D. Warning

Correct Answer: C

Explanation: Success audit is the type of event that Brielle identified in the above scenario. Success audit is a type of event that records successful attempts to access a network device or resource. Success audit can be used to monitor authorized activities on a network, but it can also indicate unauthorized activities by malicious actors who have compromised credentials or bypassed security controls4. References: Success Audit Event

QUESTION 2

Paul, a computer user, has shared information with his colleague using an online application. The online application used by Paul has been incorporated with the latest encryption mechanism. This mechanism encrypts data by using a sequence of photons that have a spinning trait while traveling from one end to another, and these photons keep changing their shapes during their course through filters: vertical, horizontal, forward slash, and backslash.

Identify the encryption mechanism demonstrated in the above scenario.

A. Quantum cryptography

B. Homomorphic encryption

C. Rivest Shamir Adleman encryption

D. Elliptic curve cryptography

Correct Answer: A

Explanation: Quantum cryptography is the encryption mechanism demonstrated in the above scenario. Quantum cryptography is a branch of cryptography that uses quantum physics to secure data transmission and communication. Quantum cryptography encrypts data by using a sequence of photons that have a spinning trait, called polarization, while traveling from one end to another. These photons keep changing their shapes, called states, during their course through filters: vertical, horizontal, forward slash, and backslash. Quantum cryptography ensures that any attempt to intercept or tamper with the data will alter the quantum states of the photons and be detected by the sender and receiver . Homomorphic encryption is a type of encryption that allows computations to be performed on encrypted data without decrypting it first. Rivest Shamir Adleman (RSA) encryption is a type of asymmetric encryption that uses two keys, public and private, to encrypt and decrypt data. Elliptic curve cryptography (ECC) is a type of asymmetric encryption that uses mathematical curves to generate keys and perform encryption and decryption.

QUESTION 3

Kayden successfully cracked the final round of interviews at an organization. After a few days, he received his offer letter through an official company email address. The email stated that the selected candidate should respond within a specified time. Kayden accepted the opportunity and provided an e-signature on the offer letter, then replied to the same email address. The company validated the e-signature and added his details to their database. Here, Kayden could not deny the company\\'s message, and the company could not deny Kayden\\'s signature.

Which of the following information security elements was described in the above scenario?

A. Availability

B. Non-repudiation

C. Integrity

D. Confidentiality

Correct Answer: B

Explanation: The correct answer is B, as it describes the information security element that was described in the above scenario. Non-repudiation is an information security element that ensures that a party cannot deny sending or receiving a message or performing an action. In the above scenario, non-repudiation was described, as Kayden could not deny company\\'s message, and company could not deny Kayden\\'s signature. Option A is incorrect, as it does not describe the information security element that was described in the above scenario. Availability is an information security element that ensures that authorized users can access and use information and resources when needed. In the above scenario, availability was not described, as there was no mention of access or use of information and resources. Option C is incorrect, as it does not describe the information security element that was described in the above scenario. Integrity is an information security element that ensures that information and resources are accurate and complete and have not been modified by unauthorized parties. In the above scenario, integrity was not described, as there was no mention of accuracy or completeness of information and resources. Option D is incorrect, as it does not describe the information security element that was described in the above scenario. Confidentiality is an information security element that ensures that information and resources are protected from unauthorized access and disclosure. In the above scenario, confidentiality was not described, as there was no mention of protection or disclosure of information and resources. References: , Section 3.1

QUESTION 4

A software team at an MNC was involved in a project aimed at developing software that could detect the oxygen levels of a person without physical contact, a helpful solution for pandemic situations. For this purpose, the team used a wireless technology that could digitally transfer data between two devices within a short range of up to 5 m and only worked in the absence of physical blockage or obstacle between the two devices, identify the technology employed by the software team in the above scenario.

A. Infrared

B. USB

C. CPS

D. Satcom

Correct Answer: A

Explanation: of

QUESTION 5

A startup firm contains various devices connected to a wireless network across the floor. An AP with Internet connectivity is placed in a corner to allow wireless communication between devices. To support new devices connected to the network beyond the APS range, an administrator used a network device that extended the signals of the wireless AP and transmitted it to uncovered area, identify the network component employed by the administrator to extend signals in this scenario.

A. Wireless repeater

B. Wireless bridge

C. wireless modem

D. Wireless router

Correct Answer: A

Explanation: Wireless repeater is the network component employed by the administrator to extend signals in this scenario. A wireless network is a type of network that uses radio waves or infrared signals to transmit data between devices without using cables or wires. A wireless network can consist of various components, such as wireless access points (APs), wireless routers, wireless adapters, wireless bridges, wireless repeaters, etc. A wireless repeater is a network component that extends the range or coverage of a wireless signal by receiving it from an AP or another repeater and retransmitting it to another area . A wireless repeater can be used to support new devices connected to the network beyond the AP\\'s range . In the scenario, a startup firm contains various devices connected to a wireless network across the floor. An AP with internet connectivity is placed in a corner to allow wireless communication between devices. To support new devices connected to the network beyond the AP\\'s range, an administrator used a network component that extended the signals of the wireless AP and transmitted it to the uncovered area. This means that he used a wireless repeater for this purpose. A wireless bridge is a network component that connects two or more wired or wireless networks or segments together . A wireless bridge can be used to expand the network or share resources between networks . A wireless modem is a network component that modulates and demodulates wireless signals to enable data transmission over a network . A wireless modem can be used to provide internet access to devices via a cellular network or a satellite network . A wireless router is a network component that performs the functions of both a wireless AP and a router . A wireless router can be used to create a wireless network and connect it to another network, such as the internet