Assignment 4

Q1. Ben is designing a database-driven application and would like to ensure that two executing transactions do not affect each other by storing interim results in the database. What property is he seeking to enforce?

A. Atomicity
B. Isolation
C. Consistency
D. Durability

Q2. Kim is the system administrator for a small business network that is experiencing security problems. She is in the office in the evening working on the problem, and nobody else is there. As she is watching, she can see that systems on the other side of the office that were previously behaving normally are now exhibiting signs of an infection one after the other. What type of malware is Kim likely dealing with?

A. Virus
B. Worm
C. Trojan horse
D. Logic bomb

Q3. Barb is reviewing the compliance obligations facing her organization and the types of liability that each one might incur. Which of the following laws and regulations may involve criminal penalties if violated? (Select all that apply.)

A. FERPA
B. HIPAA
C. SOX
D. PCI DSS

Q4. Quentin is analyzing network traffic that he collected with Wireshark on a TCP/IP network. He would like to identify all new connections that were set up during his traffic collection. If he is looking for the three packets that constitute the TCP three-way handshake used to establish a new connection, what flags should be set on the first three packets?

A. SYN, ACK, SYN/ACK
B. PSH, RST, ACK
C. SYN, SYN/ACK, ACK
D. SYN, RST, FIN

Q5. Daniel is selecting a mobile device management (MDM) solution for his organization and is writing the RFP. He is trying to decide what features he should include as requirements after aligning his organization's security needs with an MDM platform's capabilities. Which of the following are typical capabilities of MDM solutions? (Select all that apply).

    A. Remotely wiping the contents of a mobile device
    B. Assuming control of a nonregistered BYOD mobile device
    C. Enforcing the use of device encryption
    D. Managing device backups