



Blockchain, AI, and Cybersecurity in Banking

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1. What does Public Key Infrastructure (PKI) use to ensure secure communication and authentication in online transactions? (**Marks: 0**)



2. What is a Trojan horse in the context of cybersecurity? (**Marks: 0**)



C) A physical device used to clone payment cards

D) A network attack targeting encrypted communications

3. Which of the following is the main benefit of using blockchain technology in banking? (**Marks: 0**)

High transaction costs

✓ Increased transparency and security

Centralized control of data

Slower transaction processing

4. What is a smart contract in the context of blockchain? (**Marks: 0**)

A digital version of a traditional legal contract

✓ A self-executing contract with the terms directly written into code

A contract that requires manual intervention for execution

A financial agreement managed by banks

5. Which consensus mechanism is commonly used in blockchain networks to validate transactions? (**Marks: 0**)

✓ Proof of Work (PoW)

Distributed File Sharing (DFS)

Centralized Approval System (CAS)

Randomized Access Protocol (RAP)

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