

CYBER SECURITY ASSIGNMENT QUESTION

DAY 8

1. Cryptography in Cyber Security

Question: Explain the role of cryptography in cyber security. Discuss the principles of encryption, decryption, and cryptographic algorithms used to secure data transmission and storage. Provide examples of cryptographic techniques commonly used in practice.

2. Bring Your Own Device (BYOD) Security Risks and Mitigation

Question: Discuss the security risks associated with Bring Your Own Device (BYOD) policies in organizations. Identify potential threats to data confidentiality and integrity, as well as strategies to mitigate these risks while allowing employees to use personal devices for work purposes.

3. Secure Disposal of Information Assets

Question: Explain the importance of securely disposing of information assets in maintaining cyber security. Describe the risks associated with improper disposal methods and discuss best practices for securely disposing of electronic and physical information assets.

4.Security Challenges in Payment Systems

Question: Identify the security challenges faced by payment systems in the digital age. Discuss common threats such as fraud, data breaches, and identity theft, and propose measures to enhance the security of payment transactions conducted online or through electronic means.

5.Enhancing Security in Electronic Banking Services

Question: Explore the security considerations associated with electronic banking services. Discuss the risks of online banking, mobile banking, and other digital financial transactions, and propose strategies to protect customer data and financial assets from cyber threats.