CYBER SECURITY ASSIGNMENT QUESTION

DAY 40

1. Explain different network scanning techniques used in cybersecurity. Discuss the purpose and methodology of each technique.

2.Discuss countermeasures that organizations can implement to defend against network scanning attacks. Explain how each countermeasure works and its effectiveness in mitigating the risk of reconnaissance.

3.Explain the concept of network segmentation as a countermeasure against network scanning attacks. Discuss the benefits of network segmentation and best practices for implementing it effectively.

4.Discuss the role of intrusion detection/prevention systems (IDS/IPS) as a countermeasure against network scanning attacks. Explain how IDS/IPS works and its effectiveness in detecting and mitigating reconnaissance activities.

5.Describe various network scanning techniques used by attackers in cybersecurity. Explain the purpose and methodology of each technique.