

Question Bank

Part A(10x2=20 marks)

Part B(5X16=80 marks)[2 question given-select one i.e either or type]

Short Answers

1. List some Vulnerability frameworks.
2. Give the significance of CIA Triad.
3. State Principle of Mitigation.
4. Define Hashing
5. Give a short note on Threat, Vulnerability and Risk?
6. Differentiate Authentication and Authorization.
7. What is CVSS?
8. Where to implement PCI?
9. Discuss the role of NVD in Cyber Security?
10. Give a short note on TAXII
11. Discuss the role of CVE in cybersecurity.
12. Give a short note on HIPPA Compliance.
13. How would the Executive summary be?
14. Discuss the purpose of Report.
15. Define ITIL
16. What is a service request?
17. Define patch management?

Big Questions

1. Penetration testing- (16 mark)
2. How does Key Management play a role in Cryptography(16)
3. Kerberos
4. Define Vulnerability Management Process with their key steps (16)
5. List all the tools for port scanning? (4) Explain the usage of each tool with the relevant command
6. Why is penetration testing important to an organization's risk management strategy?
7. Explain CPE with an example. (6)
8. Define SCAP with their key components (10)
9. Summarize the Vulnerability Management process in detail.
10. Explain sources of Vulnerability with their Mitigation steps (16)
11. Explain in detail OWASP Top 10 Vulnerabilities (16)
12. If we're already performing vulnerability scanning, why should we perform a penetration test? Justify(16)
13. Define the term Scheduling and create a sample scheduling task.
14. Summarize the topics on how to create a Delivery Report. (16)
15. Differentiate between Vulnerability Scan, Risk Analysis, and Penetration Test? (16)
16. If you are Security Analyst how will you schedule tasks daily, weekly, monthly, Quarterly and Annually
17. What is the Service Desk? (4) Explain the responsibilities of Service Desk personnel (12)
18. What is escalation? (4) Describe the ITIL escalation process with suitable diagram (12)
19. Explain the phases of service delivery process using ITIL. (16)
20. Explain the importance of Service Management in the IT Industry.

