

- N.B. :** 1) Question No 1 is Compulsory.  
(2) Attempt any three questions out of the remaining five.  
(3) All questions carry equal marks.  
(4) Assume suitable data, if required, and state it clearly.

**Q.1) Answer any Four questions. Each question carries five marks. [20 M]**

- A) List out the challenges in IT infrastructure Management.
- B) Differentiate between RADIUS, TACACS, and TACACS+
- C) Write a short note on SQL Injection
- D) Differentiate between WEP & WPA protocols.
- E) Explain the Threat Model.

**Q.2 Answer the following**

- A) Explain in detail the various defense strategies used to avoid cyber-attacks. [10 M]
- B) What is System Design Process and explain the design issues of IT Organizations and IT Infrastructure. [10 M]

**Q.3 Answer the following**

- A) What is Cross-Site Scripting (XSS) and How Does it Work? [10 M]
- B) List out various types of Malwares and explain how it gets activated in the system. [10 M]

**Q.4 Solve the following**

- A) Explain what are the steps required in systems security planning. [10 M]
- B) What measures should be taken to maintain the reliability and Integrity of sensitive databases? [10 M]

**Q.5 Answer the following**

- A) Explain in detail Mobile IP and VPN. [10 M]
- B) What are the different wireless network attacks? How it should be protected? [10 M]

**Q.6 Solve the following**

- A) What is Cookie Poisoning and how does it work? [10 M]
- B) Explain in detail JavaScript Hijacking with suitable example. [10 M]

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