

Duration: 3hrs

[Max Marks: 80]

- 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]
