#### UNIT 1

## 1) Explain basic network utilities?

- 2) Explain various types of threats?
- 3) Explain OSI Reference model in Detail?

#### UNIT 2

- 1) What are Trojan horses? Explain in detail.
- 2) How to protect yourself against cybercrime?
- 3) Explain How can you Protect Against Investment Fraud and Identity Theft?
- 4) Explain concept of Cyber Stalking in detail with example.
- 5) Explain DDos with example?
- 6) How to detect and eliminate virus, spyware. Explain in detail.
- 7) What is malware? Explain in detail.

#### UNIT 3

- 1) Explain Active Scanning Technique?
- 2) Explain SQL Script Injection with example?
- 3) Explain Passive Scanning Technique?
- 4) What is Penetration Testing? Explain step by step process and methods?

#### UNIT 4

- 1) How to configure the firewall?
- 2) Elaborate Intrusion-Detection system in detail?
- 3) Elaborate the concept of Digital certificates in detail?
- 4) Explain the following:
  - 1) Snort 2) Honeypot 3) Intrusion Deterrence 4) Intrusion Deflection

## 5) Explain concept of SSL.

- 6) What is firewall? Explain types of firewalls.
- 7) Explain the concept of VPN in detail?

## **UNIT 5**

- 1) Explain the objectives of IT Act?
- 2) Explain roles of international laws?
- 3) Explain the Indian cyberspace?
- 4) Explain various cyber security standards.

## UNIT 6

# 1) Describe the methodology for finding evidence on PC.

- 2) Explain different types of operating system utilities?
- 3) Explain procedure for getting back deleted files?
- 4) Explain different tools used for conducting forensic analysis and examination.
- 5) Explain the FBI Forensics Guidelines?