

(2 Hours 30 min)

(Total Marks:75)

N.B:

1. All questions are compulsory.
2. Figures to the right indicate marks.
3. Illustration, in-depth answers, and diagrams will be appreciated.
4. Mixing of sub-questions is not allowed.
5. Each question carries 5 marks.

- 1 Attempt any Three 15**
- a Explain different web application threat?
 - b Explain CIA.
 - c Explain Active attack VS Passive attacks
 - d Explain the differences between Malicious program and non-malicious program.
 - e Explain types of computer criminal.
 - f Explain fence
- 2 Attempt any Three 15**
- a What are different types of IDS?
 - b Explain Intrusion Prevention System.
 - c What is client Authentication?
 - d Write a short note on Kerberos.
 - e Enlist different types of network layer attack and explain any two.
 - f What are the reasons to use ACL and explain how its work.
- 3 Attempt any Three 15**
- a What are the different algorithm use for user authenticaton?
 - b Explain virtualization system issues.
 - c What Does ESXi Stand for and How Did It All Begin?
 - d Explain ESX vs. ESXi: Key Differences
 - e Define: i) VM sprawl ii) Hyperjacking iii) VM escape iv) Denial of service v) Host and guest vulnerabilities
 - f Explain g Software-as-a-Service.

4 Attempt any Three 15

- a Explain security indicators in CellularVoIP Services.
- b Explain types of Wireless Networks.
- c Explain Advanced Attacks Against WEP
- d Explain Zigbee security.
- e Explain attacking Bluetooth.
- f Explain attacking 802.11 networks

5 Attempt any Three 15

- a Write a short note on Application Security.
- b Define –i) Scammers ii) Hacker Groups iii) Phishers iv) Insiders v) Script Kiddies.
- c Explain Passive Attacks with example.
- d Explain Intrusion detection system.
- e What are Zigbee attacks?
- f Explain IDS vs IPS
