

(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.

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| 1 | Attempt any Three
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 | 15 |
| 2 | Attempt any Three
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. | 15 |
| 3 | Attempt any Three
a What are the different algorithm use for user authentication?
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. | 15 |

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
