

Time: 2 Hours

Marks: 60

N.B.

- 1) All Questions are compulsory**
- 2) Figures to right indicates marks.**
- 3) Illustration, I depth answers and diagram will be appreciated.**
- 4) Mixing of sub-questions is not allowed.**
- 5) Each question carries 6 marks.**

Q.1 Attempt any two of the following:

12 Marks

- a) What are steps taken by computer forensics specialists?
- b) Explain the role of back-up in data recovery
- c) List and explain types of network security devices.
- d) Write a short note on computer forensic in law enforcement

Q.2 Attempt any two of the following:

12 Marks

- a) Write short note on Backup Window
- b) Explain obstacles to backing up applications.
- c) Explain the Evidence Collection Steps.
- d) Write a short note on Public Key Cryptography.

Q.3 Attempt any two of the following:

12 Marks

- a) List and explain sources of network based evidence.
- b) What is role of web proxy? Explain.
- c) Write a short note on Internet Protocol.
- d) Write a short note on Libpcap and WinPcap.

Q.4 Attempt any two of the following:

12 Marks

- a) Explain importance of mobile forensics.
- b) What is the use of Faraday bag? Explain.
- c) What are Invasive methods?
- d) Explain firewall in detail.

Q.5 Attempt any two of the following:

12 Marks

- a) Write a short note on Unified Threat Management.
- b) Write a short note on NTP.
- c) What are Key characteristics of the TCP protocol?
- d) What are the steps in the mobile forensics process?
