

(Time: 2 ½ Hours)

[Total Marks: 75]

- N.B.**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate marks.
 - 3) Illustrations, in-depth answers and diagrams will be appreciated.
 - 4) Mixing of sub-questions is not allowed.

- Q. 1** Attempt ANY FOUR from the following: (20M)
- (a) Explain different components of incident response.
 - (b) Write a note on Digital Evidence and its storage formats.
 - (c) How to setup Digital Forensics Labs?
 - (d) What are the requirements for setting up your workstation for digital forensics?
 - (e) Explain procedures for private sector High-Tech Investigations as an Investigator.
 - (f) Explain any one forensics tool for Creating Forensic Image.

- Q. 2** Attempt ANY FOUR from the following: (20M)
- (a) Explain different software and hardware tools you need for digital investigation.
 - (b) What is Data compression? Explain types of data compression.
 - (c) How to locate and recover graphics files.
 - (d) Explain common data-hiding techniques.
 - (e) Describe Linux file structures.
 - (f) Explain any one tool used for Identification the live network.

- Q. 3** Attempt ANY FOUR from the following: (20M)
- (a) How can email server logs be used in an investigation?
 - (b) What is network forensics? Explain Securing a Network.
 - (c) Explain Investigating E-mail Crimes.
 - (d) What are the tasks performed by Digital Forensics Tools?
 - (e) Write note on Recognizing a Graphics File.
 - (f) Explain any one Sysinternals tools to Monitor Live Processes.

- Q. 4** Attempt ANY FIVE from the following: (15M)
- (a) Write note on "Chain of custody".
 - (b) Define and explain digital forensics.
 - (c) Write note on mobile SIM Cards.
 - (d) Explain in short answer - Affidavit, exhibits, verdict
 - (e) Explain the term Steganography in Graphics Files.
 - (f) Describe cyber-crimes happened in social media?
