

(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) What is an evidence custody form? What information does it contain?
- (b) Explain the various storage Formats for Digital Evidence?
- (c) Differentiate between public sector and Private sector investigations?
- (d) Explain the necessary requirements for data recovery workstations and software?
- (e) Write short note on Contingency Planning for Image acquisition?
- (f) How will you analyse memory dump of a running computer system using FTK tool?

Q. 2 Attempt ANY FOUR from the following: (20M)

- (a) What is the best way to determine the tools which you need for the digital investigation?
- (b) Explain the necessary guidelines of seizing digital evidence at the scene?
- (c) Describe how to collect evidence at private sector from incident scenes?
- (d) Write a short note on recovering graphics files?
- (e) Briefly explain copyright with graphics?
- (f) How to detect hidden information or files within digital images using steganhide steganography tool and examine hidden content?

Q. 3 Attempt ANY FOUR from the following: (20M)

- (a) Write short note on the network forensic?
- (b) What is the general procedure for given live acquisition?
- (c) Write a note on SIM card?
- (d) Explain email header analysis?
- (e) Explain the guidelines for report writing?
- (f) How will you use the wireshark tool for identifying the live network, capture packets, analyse capture packets?

Q. 5 Attempt ANY FIVE from the following: (15M)

- (a) Explain in detail advance forensic format?
- (b) Explain short note on bitstream copies
- (c) Explain types of data acquisition in detail?
- (d) Explain the importance of investigation report?
- (e) Explain acquisition procedures for mobile devices?
- (f) Explain the technologies where the 4G networks can be used?
