

Q. 2 Attempt the following (Any THREE) (15)

- (a) Define Data Acquisition. State its types and goals
- (b) What guidelines an investigator has to keep in mind while seizing digital evidence at the scene?
- (c) List standard systems analysis steps to be applied when preparing a for forensic investigation case
- (d) What is the standard procedure used for network forensics?
- (e) State and explain various sub functions of extractions
- (f) What is an Investigation triad? State and Explain its parts

Q. 3 Attempt the following (Any THREE) (15)

- (a) State and explain any two ways to trace information on the internet
- (b) What are the two most common caveats an Internet Forensics investigator will encounter? Explain any one in brief
- (c) List the different fields of Web Server logs
- (d) What are the different types of Personal Information that can be found on Social Media?
- (e) Explain the following terms:
i) Web Cache ii) Geotagging iii) Web Shells iv) SMTP v) Traceroute
- (f) Describe tasks in investigating e-mail crimes and violations

Q. 4 Attempt the following (Any THREE) (15)

- (a) Explain the legal process to conduct computer investigation for potential criminal violations of law.
- (b) What are the steps to create image files of digital evidence?
- (c) What is an Expert Witness? State the four criteria based on which the quality of a report is judged?
- (d) Briefly outline the steps of trial process
- (e) Explain Digital Signature and Electronic Signature w.r.t to the IT Act
- (f) Write a Short note on Electronic Governance

Q. 5 Attempt the following (Any THREE) (15)

- (a) Write a short note on SIM & its structure
- (b) State and explain various Cyber Forensic tools
- (c) What are privacy controls? Explain its importance
- (d) List various guidelines for writing reports
- (e) Explain the following terms:
i) Affidavit ii) limiting phrase iii) deposition banks
iv) hearsay v) spoliation
