

(3 Hours)

Total Marks: 80

N.B.: (1) Question No.1 is compulsory.

(2) Attempt any three questions from the remaining five questions.

(3) Make suitable assumptions wherever necessary but justify your assumptions.

1.
  - (a) Write the difference between hacking and ethical hacking with examples. 05
  - (b) Define digital forensics and state its primary purpose. 05
  - (c) What is electronic evidence? Provide two examples. 05
  - (d) Define forensic duplication and explain its importance in digital forensics. 05
2.
  - (a) What are the various types of network attacks? How do these attacks impact a network? 10
  - (b) Explain the process of mobile forensic investigation, from evidence collection to reporting. 10
3.
  - (a) Describe in detail the structure and layout of an investigative report used in digital forensics. 10
  - (b) Describe the role of computers in modern-day crimes with examples. 10
4.
  - (a) Explain Chain of Custody in detail. 10
  - (b) Write Challenges in mobile forensics. 10
5.
  - (a) What are the challenges in network forensics? Explain any two tools used for network forensics 10
  - (b) Discuss the importance of writing an investigative report in forensic investigations. What goals does it aim to achieve? 10
6. Write a short note on (Any Two) 20
  - (1) Rules of ethical hacking and types of hackers.
  - (2) Incident Response and Methodology of Incident Response.
  - (3) Tools used in Computer forensics

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