

Time :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.

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|---|--|----|
| 1 | (a) Explain in details Need and types of Reconnaissance  | 05 |
|   | (b) What are the different ways to recover deleted files from a Unix system?   | 05 |
|   | (c) Discuss the Guidelines for Writing a Report.   | 05 |
|   | (d) What is the need of digital Forensics?   | 05 |
| 2 | (a) Why is ethical hacking necessary? Explain the steps of ethical hacking in detail.                                      | 10 |
|   | (b) Explain in details computer forensics methodologies?   | 10 |
| 3 | (a) List & Explain different challenges in live evidence handling.   | 10 |
|   | (b) Explain in detail about Incident Response Methodology and the steps associated with it                                 | 10 |
| 4 | (a) List the evidences present in memory card. Elaborate the procedure for collecting evidences in present in memory card. | 10 |
|   | (b) ) Explain goal of resolution along with the step taken to resolve computer security incident.                          | 10 |
| 5 | (a) ) Explain in details what is need of live response ? Discuss different types of host base live response technique.     | 10 |
|   | (b) Explain Role of Metasploit during Ethical Hacking  | 10 |
| 6 | Write a short note on: (any two)   | 20 |
|   | (a) Ethics in Digital Forensics.   |    |
|   | (b) E-mail Forensics.  |    |
|   | (c) Data Collections forensics Tools : WinHex.   |    |