



- Notes :
1. All questions carry marks as indicated.
  2. Solve Question 1 OR Questions No. 2.
  3. Solve Question 3 OR Questions No. 4.
  4. Solve Question 5 OR Questions No. 6.
  5. Solve Question 7 OR Questions No. 8.
  6. Solve Question 9 OR Questions No. 10.
  7. Solve Question 11 OR Questions No. 12.
  8. Due credit will be given to neatness and adequate dimensions.
  9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) Why computer forensic is important? What is the use of digital forensics in law enforcement? **6**

b) What are the digital forensics assistance techniques to human resources? **7**

**OR**

2. a) State & Explain the steps taken by digital forensics specialists. for investigations. **6**

b) What is cyber crime? What are the different types of cyber crime. **7**

3. a) Define data backup & Data Recovery Also explain the role of data backup in data Recovery and its importance in digital forensics. **6**

b) Define evidence. state the type of evidence Also explain the different steps for collecting Digital evidence. **7**

**OR**

4. a) State and explain the different methods for collection of evidence. **6**

b) What is network forensics? What are the requirement for a network forensics solution? **7**

5. a) Why it is important to duplicate & to preserve the digital evidence. Also explain the steps for computer evidence processing. **7**

b) What are the legal aspects of collecting & preserving computer forensic evidence. **7**

**OR**

6. a) Explain in brief, the guidelines for live acquisition. What are its tools. Explain any one of them. **7**

b) Write short notes on:- **7**

i) Data Hiding techniques.

ii) Performing Remote Acquisitions.

7. a) Explain the importance of collecting evidence in private sector incident scenes? 7  
b) Explain why it is important to identify digital evidence. Also given the suitable example. 6

**OR**

8. a) Explain the principles of computer based digital evidence? Along with storing digital evidence. 6  
b) What are the steps while preparing for a search securing a crime scene. 7
9. a) While Investigation. What are the roles of client & server in e-mail. Explain in detail. 7  
b) What are the benefits of using specialized e-mail forensic tools. 7

**OR**

10. a) State and explain the acquisition procedures for cell phones and Mobile devices. 7  
b) State and explain the procedures for handling an android device while investigation. 7
11. Write short notes on:- 13  
i) File systems.  
ii) Microsoft file structures.  
iii) NTFS Disks.

**OR**

12. a) Explaining why there is a need of computer forensics tools? Explain it with the help of example. 7  
b) Write short note on:- 6  
i) Computer forensic software tools.  
ii) Computer forensic Hardware tools.

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