

CE1.3-R4 : CYBER FORENSIC AND LAW

NOTE :

1. Answer question 1 and any FOUR from questions 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

Time : 3 Hours

Total Marks : 100

1.
 - (a) Explain the different type of Cyber forensics.
 - (b) What are the different goals of cyber forensics?
 - (c) Explain the Security Benefits of Digital Signatures.
 - (d) List different type of Cyber forensics tool.
 - (e) What do you mean by Public-key cryptography?
 - (f) Briefly describe cybercrime.
 - (g) List essential key data sources for network monitoring. (7x4)

2.
 - (a) Describe the term session hijacking.
 - (b) Describe the process of laptop or notebook forensics analysis.
 - (c) Describe the DFRWS Investigative Model.
 - (d) Explain the NTFS file system. (5+5+4+4)

3.
 - (a) What is difference between Steganography and Cryptography?
 - (b) Briefly explain file carving methods in data recovery.
 - (c) Write short notes on the following.
 - (i) Hash function
 - (ii) Recycle bin.
 - (d) How to recover deleted partitions of hard drive ? (4+5+4+5)

4. (a) Briefly explain legal liability for mistakes, while using internet.
(b) Briefly explain the steganography technique in the image.
(c) Write a short note on following
(i) BIOS
(ii) Volatile data
(d) Describe steps for data recovery in Linux operating system. **(4+4+4+6)**
5. (a) List the different type of security applications
(b) Briefly explain transmission control protocol.
(c) Explain different type of data hiding techniques.
(d) Explain different type of Steganography techniques. **(3+4+5+6)**
6. (a) Explain different type of spoofing techniques.
(b) Explain different type of external storage.
(c) Write short notes on the following
(i) Swap file
(ii) Safe back
(iii) Temporary files **(6+6+6)**
7. (a) List Digital Forensic Checklist.
(b) Explain the Cyber Law in India and its advantages. **(9+9)**

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