CE1.3-R4: CYBER FORENSICS 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) Define terms: Email bombing and Logic bombs. Also explain its consequences.
b) What is the goal of forensic investigation? Write steps to do forensic investigation examination.
c) What is the need of cyber forensic tools? List and explain any four tools for cyber forensics.
d) Define stegnography and describe any stegnography tool.
e) Explain data duplication and data replication in brief.
f) How to recover deleted file in Linux? Explain with the help of an example.
g) What is cyber crime? What are the types of cyber crime?

(7x4)

2.
a) Explain the rules of recovery of evidences from computer for Cyber Forensics.
b) Explain types of law enforcement in computer forensic technology.
c) Define cyber stalking. Explain the various types of cyber stalking.

(6+4+8)

3.
a) What is NTFS? Explain the unique features compare to other file system with NTFS file system.
b) Explain the Checklist for Digital Forensics Examiner.
c) What is Network Forensics? Explain Network Forensic Analysis and application of it.

(7+4+7)

4.
a) Define Hash function? Mention applications of hash functions related to cyber forensics.
b) Explain the features and benefits of Pro-discover Incident Response and Forensic tools.

(9+9)

5.
a) What is software piracy? What methods should an organization implement to prevent software privacy?
b) Write a short note on the following:
i)   Forensic Toolkit
ii)   i2 Analyst's Notebook
c) Explain the use of recycle bin and restoring from recycle bin.

(6+8+4)

6.
a) What is a swap file? Explain working of swap file with suitable example.
b) Define network traffic measurement. Describe its various functions to support the network security issues.
c) What is software Encase Forensic? How does this software work?

(6+6+6)

7.
a) What is privacy law in terms of Cyber Forensics? Explain types of privacy law. Explain information privacy law.
b) What is cryptography? Explain public key and private key cryptography with example. Compare their advantages and disadvantages.

(9+9)