CE1.3-R4: CYBER FORENSIC & 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 the rules of Computer Forensics.
b)   What do you know about 'Data Hiding' on NTFS?
c)   Discuss the differences between BIOS ROM and Main Memory RAM.
d)   What is file carving? Illustrate with an example.
e)   What is the utility of Hibernation file in windows system forensics?
f)   What is bad extension in a file name and how the same is diagnosed as well as the correct extension?
g)   What is the role of 'hash function' in Cyber forensics? Discuss at least three populary used hash function.

(7x4)

2.   Copyright infringement and piracy are huge threats to crown sourcing. What measures are present to tackle them? How important is protection of data in Cyber Security?

(18)

3.   Discuss the security threats in various Cyber application/websites etc.

(18)

4.
a)   List the standards for accreditation of the digital forensics lab.
b)   What precautions should be taken, while preparing digital forensics examination check list.

(9+9)

5.   Write the syntax/steps to execute the following statements and explain about their functioning:
a)   To recover deleted files.
b)   To check the hash value of any file.
c)   To create the image file of any digital data storage device.
d)   To check the email source address

(4.5x4)

6.   Discuss the differences between:
a)   Public key cryptography and private key cryptography
b)   Cryptography and Steganography
c)   Session Hijacking and Web Hijacking

(3x6)

7.   Write short notes on **any three** of the following:
a)   Common law privacy
b)   Cloaking Techniques
c)   Various checklist used in Digital forensic laboratory
d)   Data acquisition and Duplication

(3x6)