No. of Printed Pages : 4

Sl. No.

CE1.3-R4 : CYBER FORENSIC AND LAW

DURATION : 03 Hours **MAXIMUM MARKS : 100**

Roll No. : | | | | | | |

Answer Sheet No. : | | | | | | |

Name of Candidate : _____ **; Signature of Candidate :** _____

INSTRUCTIONS FOR CANDIDATES :

- Carefully read the instructions given on Question Paper, Answer Sheet.
- Question Paper is in English language. Candidate has to answer in English Language only.
- **Question paper contains Seven questions. The Question No. 1 is compulsory. Attempt any FOUR Questions from Question No. 2 to 7.**
- **Parts of the same question should be answered together and in the same sequence.**
- **Questions are** to be answered in the **ANSWER SHEET** only, supplied with the Question Paper.
- **Candidate cannot leave the examination hall/ room without signing on the attendance sheet and handing over his/her Answer Sheet to the Invigilator. Failing in doing so, will amount to disqualification of Candidate in this Module/Paper.**
- After receiving the instruction to open the booklet and before answering the questions, the candidate should ensure that the Question Booklet is complete in all respects.

DO NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.

1. (a) What do you understand by the term Computer Forensics ? Explain.

(b) List some of the technological abuses which affect the personnel securities ?

(c) What is i2 Analyst's Notebook ? Explain.

(d) What is Public Key Cryptography ? Explain.

(e) What is the process of acquiring images during forensics analysis ?

(f) Differentiate between Data Duplication and Data Acquisition in the context of Cyber Forensics.

(g) What role an operating system plays in the Cyber Forensics ? **(7x4)**

2. (a) Enumerate and explain the various factors which act as driving force behind implementation of the corporate cyber.

(b) Differentiate giving examples between the FileList and FileCnvt. What is their role in Cyber Forensics ? **(9+9)**

3. (a) What is Data Hiding concealment technique ? Explain the process of hiding data on the NTFS.

(b) What is the process involved in recovering deleted partitions ? Explain some of the tools which can help in the recovery of the deleted partitions from storage area. **(9+9)**

4. (a) Who are Cyber Hackers ? Explain various types of Cyber Hackers and the process of identifying Cyber Hackers.

(b) Explain the role of Cloaking Techniques in Cyber Forensics. **(9+9)**

5. (a) Explain the working of BIOS. What are the main functions of PC BIOS ? How can BIOS be updated ?

(b) What is Forensic Hard Drive Imaging ? If software is available to create a forensic image of a hard disk or other media. What is the benefit of forensic hardware ? **(9+9)**

6. (a) Enumerate the Digital Forensic Checklist.

(b) What is the Cyber Law in India ? State its advantages. **(9+9)**

7. Write Short notes on **any three (3)** :

(a) Autopsy Browser

(b) Hash Function

(c) Role of Digital appliances in Cyber Forensics

(d) Privacy Law in Cyber Forensics Context

(e) Digital Forensics **(6+6+6)**

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SPACE FOR ROUGH WORK

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