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Roll No. ....

**TCS-731**

**B. TECH. (CSE)  
(SEVENTH SEMESTER)  
MID SEMESTER**

**EXAMINATION, Oct., 2023**

**COMPUTER FORENSICS**

**Time : 1½ Hours**

**Maximum Marks : 50**

**Note :** (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) What do you mean by Cyber Forensic Investigation ? Explain about Investigation Tools, Evidence Collection and Preservation. (CO1)

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(2)

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OR

- (b) Explain about the investigation phase carried out in data collection and analysis.

(CO1)

2. (a) Explain about any *two* Cyber Forensic Investigation Tools in detail. (CO1)

OR

- (b) How will you investigate a crime which has happened using E-mail ? State the tools used in E-mail Investigation. (CO1)

3. (a) Explain in detail about the Incident Response Methodology in details. (CO2)

OR

- (b) What are the steps involved in computer evidence processing ? Explain. (CO2)

4. (a) Explain about the following : (CO2)

(i) Hard Disk File System

(ii) Cyber Laws related to Digital Forensics

(3)

OR

- (b) Discuss the evolution of forensic science as a field of study and evaluate the significance, role and key milestones in developing digital forensics as a field of study. Also present the key challenges faced this area in today's world.

(CO1, CO2)

5. (a) Explain the role of IT Laws in India in solving cyber crimes in the country.

(CO1)

OR

- (b) State the various techniques used by Cyber Forensics investigating teams in evidence collection and preservation.

(CO1)