R17 Regulation *Subject code:* 1E7EH

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech IV Year I Semester Regular Examinations, February 2021

Computer Forensics

(Computer Science and Engineering)

Maximum Marks: 70 Date: 04.03.2021 Duration: 3 hours

Note: **1.This question paper contains two parts A and B.**
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks **(10x2M=20 Marks)**

1 How does Computer Forensics Assistance to Human Resources/Employment Proceedings?
2 What are the Computer Forensics Services ?
3 What are the types and rules of evidences ?
4 Define Controlling Contamination.
5 What are the Legal Aspects of Collecting and Preserving Computer Forensic Evidence.
6 How to Preserve the Digital Crime Scene.
7 What are the Tools Needed for Intrusion Response to the Destruction of Data?
8 How Timekeeping, Time Matters and surveillance devices help in Forensic Identification?
9 What is domain name system?
10 How do we perform testing of Forensic Tools?

Part-B

Answer All the following questions. **(10M X 5=50Marks)**

11 Describe the steps taken by Computer Forensics Specialists and to Use Computer Forensic Evidence. (10M)

OR

12 Elaborate on the Types of Computer Forensics Technologies such as Military, Law Enforcement and Business.(10M)

13 Explain the importance of Data Backup and Recovery in Computer Forensics Evidence and Capture.(10M)

OR

14 Explain performance of Evidence Collection and Data Seizure in Computer Forensics.(10M)

15 Duplication and Preservation of Digital Evidence plays major role in Digital Crime Scene. Justify in detail.(10M)

OR

16 Computer Image Verification and Authentication is the special need of Evidential Authentication. Analyze in detail.(10M)

17 Write a brief note on (10M)

a) Intrusion detection
b) Computer forensic response teams
c) File recovery tools
d) Incident reporting

OR

18 How does Reconstructing Past Events help to Become a Digital Detective?(10M)

19 Explain the needs and evaluation of Current Computer Forensics Tools.(10M)

OR

20 How do you evaluate the efficiency of computer forensic tool? (10M)