

TE Sem VI (R-2019 Scheme) "ECS" May 2023

22/5/2023

(3 Hours)

(Maximum Marks: 80)

- NB.** 1. Question number One is compulsory
2. Attempt any three out of remaining five questions
3. Assume suitable data
4. Figures to the right indicate the maximum marks

- Q1 Attempt any FOUR:** (20)
- a) Define and classify Cybercrime
 - b) Comment on Windows OS Artifacts
 - c) Explain Principles of Digital Forensic.
 - d) Which are the Goals of Incident Response
 - e) How to Acquire Image over a Network
- Q2** a) Explain Digital Forensics and its lifecycle. (10)
b) Explain in detail Incidence Response Methodology (10)
- Q3** a) Describe Steps to prevent cybercrime and explain Hackers, Crackers and Phreakers (10)
b) Explain Forensic Investigation Report Writing in terms of Standards, Content, Style, Formatting and Organization. (10)
- Q4** a) Describe Digital Investigation Staircase Model (10)
b) How to Acquire an Image with dd Tools and with Forensic Formats (10)
- Q5** a) Describe in details OS File Systems. (10)
b) Explain Network-Based Evidence acquisition and its analyzing. (10)
- Q6** a) Explain Need and types of Computer Forensic Tools in detail. (10)
b) In Mobile Forensics explain Challenges, Evidence Extraction Process, Types of Investigation, and Procedure for Handling an Android Device. (10)