

Code No: 156EW**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, March - 2024****CYBER CRIME INVESTIGATIONS AND DIGITAL FORENSICS****(Computer Science and Engineering – Cyber Security)****Time: 3 Hours****Max. Marks: 75**

- Note:** i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) What is cyberterrorism? [2]
- b) Define cybercrimes. [3]
- c) What are the issues with software piracy? [2]
- d) Define cyberstalking. [3]
- e) What do you mean by data processing in eDiscovery? [2]
- f) How to recover deleted cyber security pieces of evidence? [3]
- g) How to do WINDOWS forensics? [2]
- h) Differentiate cyber forensics and network forensics. [3]
- i) What are the rules for handling digital evidence? [2]
- j) What is the criminal procedure code for cybercrime? [3]

PART – B**(50 Marks)**

- 2.a) Discuss the nature and scope of cyber crimes in detail.
 - b) What is the importance of cyber security? [5+5]
- OR**
3. Summarize the different categories of cybercrimes with appropriate examples. [10]
 4. Write short notes on the following:
 - a) White-collar crimes.
 - b) Viruses and malware code. [5+5]
- OR**
5. What are the roles and responsibilities of 'Law Enforcement'? Explain. [10]
 6. Explain "Email Investigation, Email Tracking, IP tracking, and Email recovery". [10]
- OR**
7. How the encryption and decryption methods be influenced in cybercrime investigation? Explain. [10]

8. Discuss the following briefly:
a) Digital Forensic Hardware tools
b) Audio-video evidence analysis. [5+5]

OR

9. Write short notes on the following:
a) Forensic ballistics
b) Network forensics. [5+5]

10. Demonstrate the “Electronic Communication Privacy Act and Legal policies”. [10]

OR

11. Explain the following in brief:
a) Laws and ethics
b) Digital Evidence controls. [5+5]

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