

Code No: 156EW

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, July - 2023****CYBER CRIME INVESTIGATION 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 are Botnets? [2]
- b) Discuss briefly about property cyber-crime. [3]
- c) Define mail bombs. [2]
- d) List down the white collar crimes. [3]
- e) How the emails are tracked? [2]
- f) With an example, explain password cracking. [3]
- g) Define digital forensic. [2]
- h) Discuss about fingerprint recognition. [3]
- i) What are the legal policies? [2]
- j) Explain how digital evidences are controlled? [3]

**PART – B****(50 Marks)**

2. Describe in detail about the concept of nature and scope of cyber-crime. [10]  
**OR**
3. How the Criminals Plan the Attacks? Explain with examples. [10]
4. With an example, explain about various methods used in password cracking. [10]  
**OR**
5. Enumerate the guidelines for seizing digital evidence at the scene. [10]
6. List standard systems analysis steps to be applied when preparing for a forensic investigation case. [10]  
**OR**
7. Explain the various process involved in recovering deleted evidences. [10]
8. Illustrate in detail about various computer forensic hardware tools. [10]  
**OR**
9. What is the standard procedure used for network forensics? Explain. [10]
10. Illustrate about the challenges to Indian cyber laws in detail. [10]  
**OR**
11. Elaborate in detail about the Amendments to the Indian IT ACT. [10]