

## MAKE UP EXAMINATIONS – JULY 2023

Program	: <b>B.E. – Common to ECE / EEE / EIE / ETE / MLE / ME / IEM / CH</b>	Semester	: <b>I</b>
Course Name	: <b>Introduction to Cyber Security</b>	Max. Marks	: <b>100</b>
Course Code	: <b>ETC146</b>	Duration	: <b>3 Hrs</b>

### Instructions to the Candidates:

- Answer one full question from each unit.

### UNIT - I

- What is cyber security? Explain the challenges for securing data in business perspective. CO1 (05)
  - What is cybercrime? Discuss the motives behind cybercrime. CO1 (05)
  - Explain the following terms related to cybercrime: CO1 (10)
    - Industrial Espionage
    - Cybersquatting
    - Data Diddling
    - Trojan Horse
    - Denial of Service attacks
- What is Hacking? Discuss the types of modern hackers. CO1 (04)
  - Who are Cyber criminals? Explain different categories of cyber criminals with examples. CO1 (10)
  - Explain the cybercrime acts, salami attack and Computer sabotage with suitable examples. CO1 (06)

### UNIT - II

- What is social engineering? Discuss the types of social engineering. CO2 (10)
  - How criminals plan the attack? Discuss. CO2 (10)
- What is botnet? How is it used as fuel for cyber crime? CO2 (10)
  - Who is cyber stalker? Explain how stalking works. CO2 (10)

### UNIT - III

- Define Trojan Horses and explain briefly based on the attacks with example. CO3 (10)
  - How can key-loggers be used to commit a cybercrime discuss briefly. CO3 (10)
- Define Virus and Worms. CO3 (04)
  - Discuss briefly the different ways of password cracking CO3 (06)
  - Write a short note on DoS attack and DDos attack CO3 (10)

### UNIT- IV

- What is phishing? Discuss the types of phishing scams. CO4 (10)
  - Briefly explain Phishing tool kits and Phishing counter measure. CO4 (10)
- What is ID theft? How to protect from ID theft? CO4 (10)
  - Discuss spear phishing and spy phishing, with an example for each. CO4 (10)

## UNIT - V

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|-----|----|--|-----|------|
| 9.  | a) | Describe the terms Digital Forensics Science and Computer Forensics. | CO5 | (04) |
|     | b) | What are the challenges of computer forensics in cyber security?     | CO5 | (06) |
|     | c) | Explain the two domains of cyber forensics.                          | CO5 | (10) |
| 10. | a) | Explain Digital Forensics Process.                                   | CO5 | (06) |
|     | b) | Write a short note on forensics analysis of email.                   | CO5 | (06) |
|     | c) | Explain the different Phases in Computer Forensics.                  | CO5 | (08) |

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