

Code No.: CY405PC

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**CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS**

**II-B.TECH-II-Semester End Examinations (Regular) - August- 2023
INTRODUCTION TO CYBER SECURITY**

(CSC)

[Time: 3 Hours]

[Max. Marks: 70]

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

PART-A

(20 Marks)

1. a) What are the components of CIA triad? [2M]
- b) What is the difference between a virus, and a worm? [2M]
- c) What are the vision and mission of National Cyber Security Policy? [2M]
- d) List out the advantages and disadvantages of Digital forensics. [2M]
- e) What are the various mobile computing devices? [2M]
- f) Define Vishing and Smishing. [2M]
- g) What is the Heartland payment system fraud? [2M]
- h) Classify the three spheres of security and privacy implications. [2M]
- i) Compare Data security and Data privacy. [2M]
- j) What is Botnet? Give an example. [2M]

PART-B

(50 Marks)

2. Explain in detail what are the various types of attacks with examples. [10M]
- OR**
- 3.a) Infer the role of Internet governance? [5M]
 - b) What are the various motives of attackers? [5M]
4. What is Indian cyber space? Explain National Cyber security policy. [10M]
- OR**
5. Illustrate in detail forensics analysis of email, and tools used in it. [10M]
- 6.a) What are the physical security countermeasures in laptops? [5M]
 - b) Determine the logical access controls and spyware in laptops. [5M]
- OR**
7. Describe Bluetooth hacking tools and common attacks in Bluetooth. [10M]
8. List out the web threats for organization? Explain policy hierarchy chart. [10M]
- OR**
9. Categorize the security risks and perils for organization in social media marketing? [10M]
- 10.a) What can you infer from the case studies of Indian Banks Lose Millions of Rupees? [5M]
 - b) Justify role of privacy policy languages in policy implementation? [5M]
- OR**
11. Discuss the technical threats and Mitigation strategies in Data privacy attacks? [10M]
