

Code No.: CY405PC

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II-B.TECH-II-Semester End Examinations (Regular) - June- 2022
INTRODUCTION TO CYBER SECURITY
(CSC)

[Time: 3 Hours]

[Max. Marks: 70]

- Note:** 1. Answer any FIVE questions. Each question carries 14 marks.
2. All questions carry equal marks.
3. Illustrate your answers with NEAT sketches wherever necessary.

5X14=70

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| 1. | a) | i. What is the role of Internet governance? | [7M] |
| | | ii. What are the various motives of attackers? | |
| | b) | Classify the different types of cyber-attacks. | [7M] |
| 2. | a) | Describe in detail Digital forensics life cycle. | [7M] |
| | b) | What are the various steps involved in approaching computer forensics investigation? | [7M] |
| 3. | a) | i. Discuss mobility types and implications. | [7M] |
| | | ii. What are physical security countermeasures in laptops? | |
| | b) | Summarize Bluetooth hacking tools and common attacks in Bluetooth. | [7M] |
| 4. | a) | Discuss the cost of cybercrimes and IPR issues for organizations. | [7M] |
| | b) | What are the social computing challenges for organization? | [7M] |
| 5. | a) | Identify the technical threats and Mitigation strategies in Data privacy attacks. | [7M] |
| | b) | Explain the following case studies. | [7M] |
| | | i. How Indian banks are losing millions of rupees. | |
| | | ii. Financial Frauds in cyber domain. | |
| 6. | a) | i. What are the component of CIA triad? Explain. | [7M] |
| | | ii. Classify the different methods of defense. | |
| | b) | Explain in detail what are the layers of cyber security. | [7M] |
| 7. | a) | What is Indian cyber space? Explain National Cyber security policy. | [7M] |
| | b) | Describe the special techniques in forensics auditing. | [7M] |
| 8. | a) | How can you perform the Registry settings for Mobile devices? | [7M] |
| | b) | Determine the logical access controls and spyware in laptops. | [7M] |
