

Code No: R20A6214

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

III B.Tech I Semester Supplementary Examinations, May/June 2023**Fundamentals of Cyber Security**

(ECE & AE)

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Time: 3 hours**Max. Marks: 70**

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

SECTION-I

- 1 **A** Explain the taxonomy of attacks in detail. [7M]
 B What is layered Security? Describe the role of each layer in providing security. [7M]

OR

- 2 **A** Describe Briefly software attacks and Hardware Attacks. [7M]
 B What is motive of attackers? Explain IP Spoofing attack and write the attacker motive behind IP Spoofing. [7M]

SECTION-II

- 3 **A** What are the consequences of Cyber Stalking? How to deal with Cyber Stalking. [7M]
 B Define Social Engineering. Explain the concept with an example [7M]

OR

- 4 **A** What is Botnet? How does it help in launching various attacks? [7M]
 B Describe the Client Server botnet and Peer to peer botnet in detail [7M]

SECTION-III

- 5 **A** Explain various kinds of financial frauds associated with mobile devices [8M]
 B Explain the following attacks in mobile computing perspective
 i. DoS attacks [2M]
 ii. Traffic analysis [2M]
 iii. Man-in-the-middle attacks [2M]

OR

- 6 **A** Discuss various security challenges in mobile devices. [7M]
 B Describe the registry settings for all mobile devices. [7M]

SECTION-IV

- 7 **A** Do you think that never been caught by using anonymous browsing? Justify your answer with appropriate examples. [7M]
 B Explain the Back door attacks and Trojan horse attack in detail. [7M]

OR

- 8 **A** What is Steganography? Explain the applications of steganography. [7M]
 B Explain various methods in password cracking. [7M]

SECTION-V

- 9 **A** Describe the Privacy implications of security system with neat sketch. [7M]
 B How Password theft is caused by Phishing. Explain with an Example. [7M]

OR

- 10** **A** Write a Shot note on Ransomware Attack with an example. **[7M]**
 B Discuss various kinds of social computing methods in detail. **[7M]**
