R20

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech I Semester Regular Examinations, December 2022
Cyber Security
(CSE-CS)

Roll No										

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.

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SECTION-I

1	A	Discuss about Internet Governance.	[7M]
	B	Illustrate about CIA Triad.	[7M]

OR

2	A	Distinguish between Software attacks and Hardware attacks.	[7M]
	B	Explain about Security Models.	[7M]

SECTION-II

3	A	Discuss about the roles of International Law.	[7M]
	B	Describe the need for Computer Forensics.	[7M]

OR

4	A	Explain about the INDIAN Cyberspace.	[7M]
	B	Illustrate about various approaches that are used for e-mail forensic.	[7M]

SECTION-III

5	A	Explain about the trends in Mobility.	[7M]
	B	Illustrate about the attacks on Mobile-Cell Phones.	[7M]

OR

6	A	Discuss about the Organizational Measures for Handling Mobile.	[7M]
	B	Describe about the Physical Security Countermeasures for protecting Laptops.	[7M]

SECTION-IV

7	A	Distinguish about various types of web threats for Organizations.	[7M]
	B	Discuss about social computing and the associated challenges for organizations.	[7M]

OR

8	A	Explain about the ethical dimension of cybercrimes.	[7M]
	B	Describe the Psychology, mindset and skills of Hackers.	[7M]

SECTION-V

9	A	Discuss about various Data Privacy attacks.	[7M]
	B	Explain about privacy in financial domain.	[7M]

OR

10	A	Illustrate about the Fundamental concepts in privacy issues.	[7M]
	B	Explain about Privacy policies in different languages.	[7M]

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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech I Semester Regular Examinations, December 2022
Cyber Security
(CSE-CS)

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SECTION-I

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SECTION-V

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OR

10	A	Illustrate about the Fundamental concepts in privacy issues.	[7M]
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Code No: R20A6202
MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech I Semester Regular Examinations, December 2022
Cyber Security-SET-2
(CSE-CS)

Roll No									

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.
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		SECTION-I	
1	**A**	Discuss about the layers of security.	**[7M]**
	B	Illustrate about Challenges and Constraints in Cyber Security.	**[7M]**
		OR	
2	**A**	Explain about the taxonomy of various attacks.	**[7M]**
	B	Discuss about the reasons for IP spoofing and how to protect from IP Spoofing.	**[7M]**
		SECTION-II	
3	**A**	Illustrate about Cyber Security Regulations.	**[7M]**
	B	Discuss about challenges in Computer Forensics.	**[7M]**
		OR	
4	**A**	Describe about Forensics Investigation.	**[7M]**
	B	Explain about National Cyber Security Policy.	**[7M]**
		SECTION-III	
5	**A**	Explain about the Proliferation of mobile and wireless devices.	**[7M]**
	B	Illustrate about Credit Card Frauds in Mobile and Wireless Computing Era.	**[7M]**
		OR	
6	**A**	Discuss about Registry Settings for Mobile Devices.	**[7M]**
	B	Explain about Security Implications for Organizations.	**[7M]**
		SECTION-IV	
7	**A**	Explain about the cost of cybercrimes and IPR issues.	**[7M]**
	B	Discuss about security risks and perils for organizations.	**[7M]**
		OR	
8	**A**	Explain about the intellectual property in the cyberspace.	**[7M]**
	B	Describe about evils and perils involved in web threats for organizations.	**[7M]**
		SECTION-V	
9	**A**	Explain about Data linking and profiling.	**[7M]**
	B	Illustrate about the privacy policy languages.	**[7M]**
		OR	
10	**A**	Describe the privacy in medical domain.	**[7M]**
	B	Discuss the various types of attacks related to data privacy.	**[7M]**
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Code No: **R18A0521**
MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Regular Examinations, July 2021
Cyber Security
(CSE & IT)

Roll No									

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

Answer Any **Five** Questions
All Questions carries equal marks.
*****

1	a).Describe active attacks and passive attacks.	**[7M]**
	b). Explain in detail about motive of attackers.	**[7M]**
2	a).Explain briefly Cyber Threats-Cyber Warfare.	**[7M]**
	b).Describe the overview of Internet Governance – Challenges and Constraints.	**[7M]**
3	a).Explain briefly the concept of digital forensics with example.	**[7M]**
	b). Describe the overview Cyber Security Regulations.	**[7M]**
4	a).Write about Historical background of Cyber forensics.	**[7M]**
	b).Explain briefly Digital Forensics Lifecycle.	**[7M]**
5	a).Explain, Cybercrime in Mobile and Wireless Devices?	**[7M]**
	b).Give a note on Attacks on Mobile/Cell Phones.	**[7M]**
6	Give a note on Security Challenges Posed by Mobile Device.	**[14M]**
7	Describe the overview cost of cybercrimes and IPR issues.	**[14M]**
8	a). Explain in detail about Data Privacy Attacks.	**[7M]**
	b).Elaborate Parliament Attack case.	**[7M]**

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Code No: **R18A0521**
MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Regular Examinations, July 2021
Cyber Security
(CSE & IT)

Roll No									

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

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All Questions carries equal marks.
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R18

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Supplementary Examinations, December 2022
Cyber Security
(CSE & IT)

Roll No										

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.

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SECTION-I

1. Explain briefly the vulnerabilities, threats, and attacks. What is the relationship between them? **[14M]**

OR

2. Write short notes on
   i) Cyber Crime, **[5M]**
   ii) Cyber terrorism, and **[5M]**
   iii) Cyber Espionage **[4M]**

SECTION-II

3. What is the need for cyber forensics? Discuss briefly about the Digital Forensic Life Cycle. **[14M]**

OR

4. Explain the forensics analysis of Email with suitable example. Discuss briefly the historical background of Cyber forensics. **[14M]**

SECTION-III

5. Discuss the attacks on mobile/ cell phones. Write short notes on
   i) Smishing, **[5M]**
   ii) Vishing and **[5M]**
   iii) Mishing **[4M]**

OR

6. Discuss the popular types of attacks against mobile networks. Discuss the common attacks on Bluetooth devices. **[14M]**

SECTION-IV

7. Explain the organisational implications of software piracy. Compare between the security and privacy. **[14M]**

OR

8. Discuss the different web threats for the organisations. Discuss the social computing associated challenges for organisations. **[14M]**

SECTION-V

9. Discuss the privacy policy languages. Discuss the data privacy attacks. **[14M]**

OR

10. Explain the data linking and profiling. Explain the privacy in medical domain. **[14M]**

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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Supplementary Examinations, December 2022
Cyber Security
(CSE & IT)

Roll No										

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SECTION-I
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     i)   Cyber Crime,   **[5M]**
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SECTION-II
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OR

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R18

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Supplementary Examinations, February 2022
Cyber Security
(CSE & IT)

Roll No										

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).Write about layers of security.   **[7M]**
    b).Describe briefly Software attacks, hardware attacks.   **[7M]**

OR

2 a).Give a note on Vulnerability, threat, Harmful acts.   **[7M]**
    b).Discuss about Cyber Crime.   **[7M]**

SECTION-II

3 a).Write about Roles of International Law.   **[7M]**
    b). Explain in detail about Forensics Investigation.   **[7M]**

OR

4 a).Explain briefly Forensics Analysis of Email.   **[7M]**
    b).Give a note on Challenges in Computer Forensics.   **[7M]**

SECTION-III

5 Describe the overview Registry Settings for Mobile Devices.   **[14M]**

OR

6 Discuss about Organizational security Policies and Measures in Mobile
    Computing Era, Laptops.   **[14M]**

SECTION-IV

7   Explain in detail about web threats for organizations.   **[14M]**

OR

8 Write about social computing and the associated challenges for organizations. **[14M]**

SECTION-V

9 a).Data linking and profiling.   **[7M]**
    b).Describe briefly Indian Banks Lose Millions of Rupees.   **[7M]**

OR

10 a).Explain briefly privacy in different domains- medical, financial. **[7M]**
    b).Describe the overview Pune City Police Bust Nigerian Racket case. **[7M]**

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Code No: **R18A0521**

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Supplementary Examinations, February 2022
Cyber Security
(CSE & IT)

Roll No										

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

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5 Describe the overview Registry Settings for Mobile Devices.   **[14M]**
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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Regular/Supplementary Examinations, June 2022
Cyber Security
(CSE & IT)

Roll No										

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

Answer Any **Five** Questions
All Questions carries equal marks.
***

1   a) Describe briefly the CIA Triad and how to achieve it.   **[7M]**

     b) Discuss the challenges and constraints of Internet governance.   **[7M]**

2   Explain the types of attacks in cybersecurity. Compare between the software and   **[14M]**
     hardware attacks.

3   Explain briefly about the digital forensics lifecycle. Discuss the challenges in   **[14M]**
     computer forensics.

4   What are the roles of International Laws in cybersecurity? Discuss briefly any   **[14M]**
     three cyber security regulations in India.

5   Explain the operating guidelines for implementing mobile device security policies.   **[14M]**
     Discuss the countermeasures against the theft of laptops.

6   Discuss the security challenges posed by mobile devices. Explain the modern   **[14M]**
     techniques of credit card frauds.

7   Discuss the best practices with use of social marketing tools. Discuss the different   **[14M]**
     web threats for the organisations.

8   Discuss the privacy in financial domain. Explain the data linking and profiling.   **[14M]**

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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Regular/Supplementary Examinations, June 2022
Cyber Security
(CSE & IT)

Roll No										

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

Answer Any **Five** Questions
All Questions carries equal marks.
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1 a) Describe briefly the CIA Triad and how to achieve it.   **[7M]**

   b) Discuss the challenges and constraints of Internet governance.   **[7M]**

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3 Explain briefly about the digital forensics lifecycle. Discuss the challenges in **[14M]** computer forensics.

4 What are the roles of International Laws in cybersecurity? Discuss briefly any **[14M]** three cyber security regulations in India.

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6 Discuss the security challenges posed by mobile devices. Explain the modern **[14M]** techniques of credit card frauds.

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8 Discuss the privacy in financial domain. Explain the data linking and profiling. **[14M]**

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R16

SET - 1

III B. Tech II Semester Regular Examinations, April/May - 2019
CYBER SECURITY
(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**

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PART –A

1. a) What is Cyber Crime? List the types of cybercriminals.   [2M]

    b) Address the types of services provided by cloud computing.   [2M]

    c) What is cryptographically generated addresses(CGA)?   [2M]

    d) Write about Steganography with applications.   [3M]

    e) What are the weak areas of the ITA 2000?   [3M]

    f) What is a Rootkit?   [2M]

PART -B

2. a) Explain the following terms related to cyber crimes: [7M]
        i)   Spamming
        ii)   Salami technique
        iii) Hacking
        iv) Password sniffing

    b) Discuss the global perspective on cybercrimes.   [7M]

3. a) What is Cyber Stalking? Explain various types of Stalkers with a case study. [7M]

    b) Define Social Engineering? Describe the classification of Social Engineering   [7M]
    with examples.

4. a) Explain the trends in mobile credit card frauds in wireless computing. [7M]

    b) Explain about Vishing and Smishing in detail.   [7M]

5. a) Differentiate between computer Virus and Worms with two examples each. [6M]

    b) Explain about Trojan Horses and Backdoors in detail with examples.   [8M]

6. a) Explain the following terms according to IT Act 2000:   [10M]
        i)   Records as evidence
        ii)   Proof of electronic agreements
        iii) Status of electronic.

    b) Explain about public key certificate.   [4M]

7. a) Explain in detail the forensic analysis of E-mail.   [7M]

    b) Explain various phases in computer forensics/digital forensics.   [7M]

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R16

SET - 2

III B. Tech II Semester Regular Examinations, April/May - 2019
CYBER SECURITY
(Computer Science and Engineering)

Time: 3 hours
Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**

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PART –A

1. a) A friend sends an electronic Hallmark greeting card (e-card) to your work email. You need to click on the attachment to see the card. What should you do? List major risks associated with this scenario? [2M]

   b) Define the different categories of cybercrimes? [2M]

   c) Define Mobile viruses and Mishing. [2M]

   d) How to prevent SQL Injection Attacks? [3M]

   e) Define the public key certificate. [3M]

   f) What is the need for Computer Forensics? [2M]

PART -B

2. a) Explain the following terms related to cyber crimes: [10M]
      i)   Cyber defamation
      ii)   Data Diddling
      iii)   Software Piracy
      iv)   Identity Theft
      v)   E-mail Bombing/ Mail Bombs
   b) Discuss the legal perspectives of cyber crime. [4M]

3. a) Discuss in detail about the Botnets. [7M]
   b) Write a short note on Attack Vector. How it alters the system state? [7M]

4. a) What are the organizational measures for handling mobile devices? [6M]
   b) Discuss cryptographic security for mobile devices. [8M]

5. a) What are the DDoS Attacks and explain how to protect from DDoS attacks. [7M]
   b) Explain about traditional techniques of attacks on Wireless Networks. [7M]

6. a) What are the positive aspects of the ITA 2000? Explain. [7M]
   b) Discuss the impact of Digital signatures in ITA 2000. [7M]

7. a) What is the Chain of Custody concept? How it is related to forensics? [7M]
   b) Write a short note on Network Forensics. [7M]

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Code No: R163205C

R16

SET - 3

III B. Tech II Semester Regular Examinations, April/May - 2019
CYBER SECURITY
(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**

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PART –A

1. a) Who are the Cyber criminals and classify them?   [2M]

    b) What are the advantages of Cloud Computing?   [2M]

    c) Define the terms Mobile phone theft, Mishing and Hacking Bluetooth.   [2M]

    d) Explain the mechanism of how phishing works?   [3M]

    e) List the positive aspects of the ITA 2000.   [3M]

    f) What is a Rootkit?   [2M]

PART -B

2. a) Explain the following terms related to cyber crimes: [10M]
        i)   Internet Time Theft
        ii)   Newsgroup Spam
        iii)   Industrial Spying
        iv)   Credit card Frauds
        v)   E-mail Bombing/ Mail Bombs

    b) Discuss about the Legal and Indian perspectives of cyber crimes.   [4M]

3. a) What is Cyber stalking? How it works? Explain with real life example.   [7M]

    b) What are the tips for safety and security while using the computer in a   [7M]
        cybercafé?

4. a) What are the physical security countermeasures for laptops?   [7M]

    b) What are the different types and techniques of Credit Card Frauds?   [7M]

5. a) Discuss about the SQL Injection in detail.   [7M]

    b) What is buffer overflow? Discuss how to minimize Buffer Overflow?   [7M]

6. a) Discuss in detail about the Policy standards in information security.   [7M]

    b) Explain the impact of oversights in ITA 2000 regarding digital signatures.   [7M]

7. a) Explain the challenges in Computer forensics.   [8M]

    b) Write a short note on Antiforensics.   [6M]

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III B. Tech II Semester Regular Examinations, April/May - 2019
CYBER SECURITY
(Computer Science and Engineering)

Time: 3 hours   Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**
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PART –A

1. a) You receive the following email from the Help Desk: [2M]
        Dear XYZ Email User, Beginning next week, we will be deleting all inactive email accounts in order to create space for more users. You are required to send the following information in order to continue using your email account. If we do not receive this information from you by the end of the week, your email account will be closed. *Name (first and last): *Email Login: *Password: *Alternate email: Please contact the Webmail Team with any questions. Thank you for your immediate attention. What should you do? What type of cybercrime is it?

    b) Differentiate the passive attacks and active attacks.   [2M]

    c) List the security challenges posed by Mobile devices.   [2M]

    d) What are the different types of identity thefts?   [3M]

    e) List the Weak areas of the ITA 2000.   [3M]

    f) Define foot printing.   [2M]

PART –B

2. a) Explain about global perspective on cybercrimes.   [6M]

    b) Explain about any 8 types of cyber crimes.   [8M]

3. a) Explain different types of Attacks. How they affect the system.   [6M]

    b) Discuss in detail about the Botnets.   [8M]

4. a) Why authentication services security is important? Explain about RAS security for mobile devices.   [7M]

    b) Discuss the attacks on mobile phones in detail.   [7M]

5. a) Explain the attacks on wireless networks.   [7M]

    b) Discuss in detail about identity theft (ID theft).   [7M]

6. a) Explain about public key certificate and implications for certifying authorities.   [8M]

    b) Explain the legal challenges in computer forensics.   [6M]

7. a) Explain the network hacking steps in OSI 7 layer model.   [7M]

    b) Discuss the phases in Computer forensics/Digital forensics in detail.   [7M]

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