

CMR INSTITUTE OF TECHNOLOGY: HYDERABAD**UGC AUTONOMOUS****III – B.Tech. I – Semester- II - Mid Term Examinations – December – 2023****INFORMATION AND CYBER SECURITY****[Common to CSE, CSE (AI&ML), CSE (DS), AI&DS, AI&ML]****[Time: 90 Minutes]****[Max. Marks: 25]**

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 10 marks. Answer all questions in Part A.
 3. Part B consists of 3 questions. Answer all 3 questions. Each question carries 5 marks and may have sub questions.
 4. Illustrate your answers with NEAT sketches wherever necessary.

PART-A**5 x 2M=10M**

S.No	Question	Blooms Taxonomy Level	CO	PO
1	i What is Message Digest?	<i>I</i>	CO 3	PO 2, PO 3, PO 6, PO 8, PO 12
	ii Define Steganography.	<i>I</i>	CO 4	PO 2, PO 3, PO 6, PO 8, PO 12
	iii What is Security Certification?	<i>I</i>	CO 4	PO 2, PO 3, PO 6, PO 8, PO 12
	iv What is Corporate policy?	<i>I</i>	CO 5	PO 2, PO 3, PO 6, PO 8, PO 12
	v What is Copyright Law in Cybersecurity?	<i>I</i>	CO 5	PO 2, PO 3, PO 6, PO 8, PO 12

PART-B**3 x 5M=15M**

S.No	Question	Blooms Taxonomy Level	CO	PO
2	Discuss IP Sec (IP Security) Protocols with neat Diagram.	<i>III</i>	CO 3	PO 2, PO 3, PO 6, PO 8, PO 12
OR				
3	What is the function of SHA-1? Provide its important features. Briefly explain the outline of its compression function.	<i>IV</i>	CO 3	PO 2, PO 3, PO 6, PO 8, PO 12
4	Demonstrate Asset Classification in Cybersecurity.	<i>II</i>	CO 4	PO 2, PO 3, PO 6, PO 8, PO 12
OR				
5	Justify how logging and Analysis works in the organization	<i>IV</i>	CO 4	PO 2, PO 3, PO 6, PO 8, PO 12
6	Explain the aims and objectives of IT Act-2000.	<i>II</i>	CO 5	PO 2, PO 3, PO 6, PO 8, PO 12
OR				
7	Elaborate Semi-Conductor law and Patent Law with the help of examples.	<i>III</i>	CO 5	PO 2, PO 3, PO 6, PO 8, PO 12