

Time: 2 Hours

Total Marks: 50

<i>Note:</i>		Mar ks	Course Out- come	Bloom's Level
			CO	
Q1	Answer the following			
	a. What is cybercrime? Explain any two cybercrimes.	[05]	CO1	1, 2
	b. Explain the concept of Intellectual Property (IP) in cyberspace. Describe any two types of intellectual property rights.	[05]	CO2	2, 3
	c. Define steganography. How is it used to hide information in digital files like images or audio? Give one example to show its use in cyber security.	[05]	CO3	1, 2
	d. Explain a recent case study based on identity theft	[05]	CO4	2
Q2	a. Explain how cybercrimes are classified based on their nature and targets. Describe any four types of cybercrimes in detail, along with real-life examples or possible impacts.	[08]	CO1	1, 4
	b. What is the difference between a Denial of Service (DoS) attack and a Distributed Denial of Service (DDoS) attack? Explain how each attack works, compare their methods, and describe their impact on network systems with examples.	[07]	CO3	1, 4
Q3	a. What do you mean by social engineering in cyber security? How do hackers trick people using their mind or emotions to get personal or secret information? Give some examples and suggest simple ways to stay safe from such attacks.	[08]	CO1	1, 4
	b. Explain in detail case study based on any two cyber crimes .	[07]	CO4	2
Q4	a. Explain what an SQL Injection attack is. How does it work, what are the risks involved, and what steps can be taken to prevent such attacks in web applications?	[08]	CO 3	1, 4
	b. Describe the key features of the Children's Online Privacy Protection Act (COPPA) and the Children's Internet Protection Act (CIPA). Why are these laws important, and how effectively do they protect children's privacy and safety on the internet?	[07]	CO2	1, 5
Q5	a. Explain a case study based on any two cybercrimes and mention which cyber laws will be applicable on those crimes.	[08]	CO4	2
	b. Compare the Indian IT Act, 2000 (with its 2008 amendments) with international laws like COPPA, CIPA, and COPA in terms of how they protect users—especially children—on the internet.	[07]	CO2	1, 4, 5
