Code: 20IT6401

II B.Tech - II Semester – Regular Examinations – MAY 2023

CYBER SECURITY AND ETHICAL HACKING
(HONORS in INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.
   2. All parts of Question must be answered in one place.

BL – Blooms Level   CO – Course Outcome

			BL	CO	Max. Marks
UNIT-I					
1	a)	Who are cybercriminals and also classify about cybercrimes.	L1	CO1	7 M
	b)	Illustrate the legal and Indian perspective of cybercrimes.	L2	CO1	7 M
OR					
2	a)	Discuss about cybercrime and the Indian ITA 2000.	L2	CO1	7 M
	b)	Explain global perspective on cybercrimes.	L2	CO1	7 M
UNIT-II					
3	a)	Demonstrate how criminals plan the attacks.	L3	CO2	7 M
	b)	Explain briefly about social engineering and cyber stalking.	L2	CO2	7 M
OR					
4	a)	Describe about cybercafe and fuel for cybercrimes	L2	CO2	7 M

	b)	Illustrate attack vector and cloud computing.	L3	CO2	7 M

UNIT-III

5	a)	Discuss about proxy servers and phishing.	L2	CO3	7 M
	b)	Explain the concept of key loggers and spywares.	L2	CO3	7 M

OR

6	a)	Compare virus, worms, trojan horse and backdoors.	L2	CO3	7 M
	b)	Summarize DDoS attacks and also write about SQL injection.	L2	CO3	7 M

UNIT-IV

7	a)	Explain about ethical hacking and illustrate how to be ethical.	L2	CO4	7 M
	b)	Demonstrate about legality in ethical hacking.	L2	CO4	7 M

OR

8	a)	Illustrate the concept of reconnaissance in ethical hacking.	L3	CO4	7 M
	b)	Describe information gathering methodology in ethical hacking.	L2	CO4	7 M

UNIT-V

9	a)	Discuss types of passwords and cracking a password.	L2	CO4	7 M
	b)	Explain different types of Trojan horses along with counter measures.	L2	CO4	7 M
		OR			

10	a)	Demonstrate overt and covert channels along with examples.	L3	CO4	7 M
	b)	Summarize types of viruses and virus detection methods.	L2	CO4	7 M