Code No: **20CS4702C**

Duration: 3 Hours

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous)

CYBER SECURITY

(Computer Science & Engineering)

Note: 1. This question paper contains 5 essay questions with an internal choice.

- 2. Each question carries 14 marks and may have sub questions.
- 3. All parts of Question paper must be answered in one place

 $5 \times 14 = 70 \text{ Marks}$

Max. Marks: 70

			Blooms Level	СО	Max. Marks			
UNIT-I								
1	(a)	What is cybercrime? How do you define it?	L2	CO1	7			
	(b)	How do we classify cybercrimes? Explain each one briefly.	L3	CO1	7			
OR								
2	(a)	What are the different types of cybercriminals?	L2	CO1	7			
	(b)	Is there a difference between "cybercrime" and "cyber fraud"? Explain.	L3	CO1	7			
		UNIT-II			•			
3	(a)	Explain the difference between passive and active attacks. Provide examples.	L2	CO1	7			
	(b)	Explain how Botnets can be used as a fuel to cybercrime.	L3	CO2	7			
OR								
1	(a)	Explain cloud computing and cybercrime.	L3	CO1	7			
4	(b)	What are the different attacks launched with attack vector. Explain.	L2	CO2	7			
		UNIT-III			•			
5	(a)	What kinds of attacks are possible on mobile/cell phones? Explain with examples	L2	CO3	7			
	(b)	Explain the various measures for protection of laptops through physical measures and logical access control measures. Prepare a laptop security. Apply it to the laptop owner in your educational institute. If you are employed, then find out your organization's laptop protection policy and related procedures.	L3	CO2	7			
OR								
6	(a)	Explain the countermeasures to be practiced for possible attacks on mobile/cell phones.	L2	CO3	7			
	(b)	What kinds of cyber security measures an organization should have to take in case of portable storage devices? Prepare security guidelines which can be implemented in an organization	L3	CO3	7			
		UNIT-IV						
	(a)	What are the different phases during the attack on the network?	L2	CO2	7			
7	(b)	What is SQL injection and what are the different countermeasures to prevent the attack?	L3	CO2	7			
		OR						
8	(a)	How can key loggers be used to commit a cybercrime?	L2	CO2	7			

	(b)	What is the difference between steganography and cryptography? Are countermeasures employed against steganography? Explain.	L3	CO2	7				
UNIT-V									
9	(a)	Explain about the key dimensions of piracy.	L2	CO1	7				
	(b)	What are the most typical reasons why organizations use social media marketing to promote their products and services	L3	CO4	7				
OR									
10	(a)	What are the internal costs associated with cybercrime incidents in India.	L3	CO1	7				
	(b)	What are the web threats which organizations face, especially with the growing adoption of cloud computing?	L3	CO4	7				

CSE: 1) 2) 3)

HOD, CSE