

Code No: 20CS4702C

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous)

CYBER SECURITY
(Computer Science & Engineering)**Duration: 3 Hours****Max. Marks: 70**

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 x 14 = 70 Marks

			Blooms Level	CO	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					
4	(a)	Explain cloud computing and cybercrime.	L3	CO1	7
	(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					
7	(a)	What are the different phases during the attack on the network?	L2	CO2	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

