LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

UCEAT LIN VESTRA

B.Sc. DEGREE EXAMINATION - **COMPUTER SCIENCE**

FIFTH SEMESTER - NOVEMBER 2022

UCS 5601 - CYBER SECURITY

Da	te: 30-11-2022 Dept. No.	Max. : 100 Marks
Tir	me: 09:00 AM - 12:00 NOON	
	PART – A	
Q. No	Answer ALL questions	$(10 \times 2 = 20 \text{ Marks})$
1	Define Data Diddling.	
2	What is mean by software Piracy?	
3	Define Botnets.	
4.	What are the differences between a virus and a worm?	
5	Encrypt the text "meet after the toga party" using caesar cipher (key=5)	
6	What are the types of attack on encryption algorithms?	
7	What are the goals of DoS attack?	
8	List any two tools used to launch DoS attack.	
9.	Differentiate Trojan Horses and Backdoors.	
10	What are the phases of forensics investigation?	
	PART – B	
	Answer ALL questions	$(5 \times 8 = 40 \text{ Marks})$
11.	a) What are the categories of cyber criminals?	
	OR b) Explain about cyber-crimes against individuals.	
12	a) Write a short note on active and passive attack.	
	OR b) What is cyber stalking? What are the types of stalkers? Explain.	
13	a) Using the Vigenère cipher, encrypt the word "explanation" using the key "l	eg".
	OR b) What is Steganography? Give one example.	
14	a) Write short notes on: i) Vishing ii) Smishing	
	OR b) Explain the techniques used to launch phishing attacks.	
15	a) How to protect DoS attack? Write the tools used for detecting DoS attack?	tack?
	OR b) Write short notes on forensics analysis of e-mail.	

PART - C**Answer any TWO question** $(2 \times 20 = 40 \text{ Marks})$ 16 a) What are the Classification of Cybercrimes? Explain any five in brief. (10 Marks) b) Explain various types of attacks on mobile phones. (10 Marks) a) Explain "Play Fair" algorithm with the key" MONARCHY" and take your own plain text. 17 (10 Marks) b) Explain about the classifications and level of Dos Attacks in detail. (10 Marks) a) Explain the Digital Forensics life cycle and its phases. 18 (10 Marks) b) Explain about credit card frauds in mobile and wireless computing and its types. (10 Marks) *****