Printed Page:-	Subject Code:- AMCANC0201
	Roll. No:
NOIDA INSTITUTE OF ENGINEERING A	LILILIA DE LA COMBANIO DEL COMBANIO DE LA COMBANIO DEL COMBANIO DE LA COMBANIO DEL COMBANIO DE LA COMBANIO DEL COMBANIO DE LA COMBANIO DEL COMBANIO DE LA COMBANIO DEL COMBANIO DE LA COMB
(An Autonomous Institute Af	filiated to AKTU, Lucknow)
MC	'A
SEM: II - THEORY EXAM	MINATION (2021 - 2022)
Subject: Cyb	per Security
Time: 3 Hours	Max. Marks: 50
General Instructions:	
1. The question paper comprises three sections, A, B, an	ad C. Vou are expected to answer them as directed
2. Section A - Question No- 1 is 1 marker & Question N	•
3. Section B - Question No-3 is based on external choice	
4. Section C - Questions No. 4-8 are within unit choice of	
5. No sheet should be left blank. Any written material at	
SECTION	A 15
1. Attempt all parts:-	
1-a. Which of the following is not a type of inform	mation system? (CO1)
(a) Operations support systems	
(b) Knowledge based systems	
(c) Employment systems	
(d) Management support systems	
1-b. Archival of data means (CO2)	1
(a) Data storage for long term	
(b) Delete data	
(c) Both of the above	
(d) None of the above	
1-c is a type of malware that restr	icts access to your computer or your files and 1
displays a message that demands payment in	order for the restriction to be removed. (CO3)
(a) Scareware	
(b) Computer worm	
(c) Ransonware	

	(d) Spyware	
1-d.	IPSec is designed to provide security at the(CO4)	1
	(a) Transport	
	(b) Network	
	(c) Application	
	(d) Session	
1-e.	This indicates one type of Intellectual Property (CO5)	1
	(a) Copyright	
	(b) Government property	
	(c) Personal privacy	
	(d) All the above	
2. Attemp	t all parts:-	
2.a.	What is the use of Executive Support System? (CO1)	2
2.b.	What is a trapdoor in cyber security. (CO2)	2
2.c.	What are security issues with storage devices? (CO3)	2
2.d.	What is public-key in cryptography? (CO4)	2
2.e.	What makes a good cyber security policy? (CO5)	2
	SECTION B	.5
3. Answer	any three of the following:-	
3-a.	Explain the types of risk analysis. (CO1)	5
3-b.	Discuss E-Payment System also list various methods to secure e payment system. (CO2)	5
3.c.	Intrusion detection system and closed circuit televisions plays an important role in providi	ing 5
	physical security to our information system. Explain. (CO3)	
3.d.	Discuss authentication mechanism used in VPN. (CO4)	5
3.e.	Discuss a case study where email security is important. (CO5)	5
	SECTION C 2	20
4. Answer	any one of the following:-	
4-a.	Differentiate between Information assurance and Information security (CO1)	4
4-b.	Discuss feasibility study in any software development model. (CO1)	4
5. Answer	any one of the following:-	
5-a.	Explain HIDS with an example. (CO2)	4

5-b.	Differentiate between Virus, worms and Trojan horse. (CO2)	4	
6. Answer	any one of the following:-		
6-a.	Elaborate how can biometric be used for access control. (CO3)	4	
6-b.	Describe the role of physical security in network security? (CO3)	4	
7. Answer any <u>one</u> of the following:-			
7-a.	Differentiate between Stream Cipher and Block Cipher? (CO4)	4	
7-b.	What are the public key distribution methods? Describe. (CO4)	4	
8. Answer any <u>one</u> of the following:-			
8-a.	What are the elements of supply chain security? (CO5)	4	
8-b.	How is cloud different from traditional data centers? (CO5)	4	