Printed Pa	age:-03	Subje	Subject Code:- ANC0301									
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N	OIDA INSTITUTE OF ENGINEERING	AND TE	CHNO	LO	GY, G	iRE/	ATER	NOI	DΑ			
(An Autonomous Institute Affiliated to AKTU, Lucknow)												
B.Tech												
SEM: III - THEORY EXAMINATION - (2023- 2024)												
Subject: Cyber Security												
Time: 2 H								мах.	. Ма	rks: 50		
	nstructions:	nor with	h tha c	orra	ct cou	urco	cod	a hra	nch i	otc.		
• • •	that you have received the question pa estion, paper, comprises, of three Sec t	•										
1. This Question paper comprises of three Sections -A, B, & C. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.												
	• • • •	d on ria	ht -har	nd si	de of	eac	h au	estion	\mathbf{D}			
2. Maximum marks for each question are indicated on right -hand side of each question.3. Illustrate your answers with neat sketches wherever necessary.												
4. Assume suitable data if necessary.												
5. Preferably, write the answers in sequential order.												
6. No shee	et should be left blank. Any writte	n mate	erial d	ıfter	a l	blan	k sh	eet v	vill	not be		
evaluated/d	checked.											
	SECTIO	N A								15		
1. Attemp	ot all parts:-		>									
1-a. I	Identify a malware (CO1)									1		
	(a) Antivirus											
	(b) spyware											
	(c) firewall											
	(d) VPN											
1-b. F	Recognize the cheapest form of Autho	nticatio	on. (CC)2)						1		
	(a) Password based Authenticat	ion										
	(b) Encryption											
	(c) Biometric based Authenticat	ion										
	(d) Smart cards											
1-c. V	Which type of Storage device is a hard	disk?	(CC	03)						1		
	(a) Tertiary		•	ř								
	(b) Off-line											
	(c) Primary											
	(c) i initially											

	(d) Secondary	
1-d.	Data Encryption Standard (DES) designed by [CO4]	1
	(a) Intel	
	(b) Sony	
	(c) IBM	
	(d) HP	
1-e.	India's first cybercrime police station- [CO5]	1
	(a) Bangalore	
	(b) Delhi	
	(c) Calcutta	
	(d) Mumbai	
2. Atte	empt all parts:-	
2.a.	Define Information system. CO1	2
2.b.	Explain social engineering attack. (CO2)	2
2.c.	State the difference between the concept of layering and abstraction. (CO3)	2
2.d.	Define Network. [CO4]	2
2.e.	Define IPR. [CO5]	2
	SECTION B	15
3. Ans	wer any <u>three</u> of the following:-	
3-a.	Discuss various approaches followed in development of Information system.	5
3-b.	Enlist advantages and disadvatages of E-commerce. (CO2)	5
3.c.	Elaborate the term access control in context with cyber security. (CO3)	5
3.d.	Discuss DES with help of an example. [CO4]	5
3.e.	Explain Cloud deployment models. Explain in detail. [CO5]	5
	SECTION C	20
4. Ans	wer any <u>one</u> of the following:-	
4-a.	Discuss active attacks in network with example. CO1	4
4-b.	Describe some important guidelines to generate a secure password. (CO1)	4
5. Ans	wer any <u>one</u> of the following:-	
5-a.	Explain packet filtering firewall. (CO2)	4
5-b.	Difference between Rule based access control and MAC. (CO2)	4

Explain Application Development Security with guidelines. (CO3)					
Intrusion detection system and closed circuit televisions plays an important role in providing physical security to our information system how? (CO3)					
er any <u>one</u> of the following:-					
Give the application of IP security. [CO4]					
What is the difference between a private key and a public key? (CO4)					
er any <u>one</u> of the following:-					
Explain intrusion detection system with Block diagram. [CO5]					
Define data security consideration? Explain this reference Data backup security. [CO5]					