	21	0 210	210	210		210	210	2		
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		PCS	37J001							
	21	n 91n	th Semester Reg RYPTOGRAPH	210		210	210	2		
		C		ANCH : CSE	IN SECURI	II				
				ne : 3 Hours						
				Marks : 100						
				ODE : E036						
Ans	swer (Question No.1 (P			anv EIGHT	from Pa	rt-II and anv	TWO		
	21	-		om Part-III.₀	_	210	210	2		
			gures in the righ				210			
		1110 115	garoo iii tiio iigi	it mana mang	iii iiiaioato	man.c.				
				Part- I						
Q 1		Short Answer Ty	ype Questions (A					(2 x 10)		
	a) [Differentiate betwee	· -	=				,		
	b) E	Explain the diffusior	and confusion.							
	c) ² 1	ist all multiplicative	inverse pairs in m	nodulus 10 ²¹⁰		210	210			
	d) 7									
	e) [Define a state in AE	S. How many stat	es are there in	each versio	n of AES?				
	-	List four key steps in the creation of a digital signature.								
	• .									
		Find the multiplication		Z ₁₀₁ using Ferr	mats Little T	heorem.				
	21	What is Euler's totie	210	210		210	210			
	j) ⁻ [Distinguish betweer	n a session and co	nnection with re	espect to SS	SL protocol	•			
				Part- II						
Q2		Focused-Short Answer Type Questions- (Answer Any EIGHT out of TWELVE)								
	-	·								
	-									
	- 21									
		door one way function and explain its use in an asymmetric -key-cryptography. Explain the key generation, encryption, decryption of DES algorithm in detail.								
	-	Jsing the RSA sch		• •	•					
	-	Then sign and verify	•	•	20. 04.00	nate the pe	abile Rey 6.			
		Explain the possible	•							
	=									
	a	attack in D-H protocol.								
	-									
		diffrent types of password approach.								
	=	,								
	a	about problem to so	olve" by electronic mone	_						
	l) 21									

210		210	210	210	210	210	210		210					
	Part-III Long Answer Type Questions (Answer Any TWO out of FOUR) Q3 Discuss any four Substitution Technique and list their merits and demerits. (16)													
210	Q4	Explain the b	lock cipher mode	es of operation.	210	210	210	(16)	210					
	Q5			ligest algorithm w				(16)						
	Q6	Explain the t neat diagram		of firewall and d	escribe any thre	e types of firewa	all with	(16)						
210		210	210	210	210	210	210		210					
210		210	210	210	210	210	210		210					
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210		210	210	210	210	210	210		210					
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