

SUPERVISOR'S SIGNATURE WITH DATE													ROL	LNO A059
NAME : C	np.man	_	BAY	4				_TRII	MEST	ERVSE	MEST	TER :	7 ow	SION:A
PROGRAMME : _		B	Tech											
SPECIALISATION_		1	T											
MODULE (SUBJEC	(T)		13	5										
OTAL NO. OF SU	PPLEM	ENTA	RY SH	EETS	ONL	Y			_					
QUESTION NOS.	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL MARKS OBTAINED	MAXIMUM MARKS
(MARKS OBTAINED) (TO BE FILLED IN BY	n2	20	05										11	15

SIGNATURE OF THE EXAMINER

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INSTRUCTIONS TO BE STRICTLY FOLLOWED BY CANDIDATES

This answer-book contains eight pages. Check whether the relevant answer-book provided contains eight pages and whether the pages are properly numbered.

Candidates should occupy the correct seats as per the seating plan displayed and write appropriate details in the space provided for the purpose on the answer book.

Candidates must produce their photo identity card provided by the University for verification to the room supervisor during the examination. Candidates will not be permitted to appear for the examination without the identity card.

As per rules, Candidates, who are not in their seats by the time notified, will not be permitted to appear for the examination.

Candidates should ensure that all answer-books including supplementary sheets provided to them bear the signature of the room supervisor and date of examination without which the answer-book will not be examined.

Tie all supplementary sheets to the main answer-book relating to the same paper and enter on the first page of the answer-book only the total number of supplementary sheets tied together.

her the any	n, q = 17, 11
hile rict	Africe choose a vandom number n
an	Africe Choose of Persons Let X he = 3
m.	The state of the s
vith	Bob Chooses a vandom number y
ing	let y he = 5
	A X
	$A = g^{\chi} \mod n$
	B= gy mod n
	$\therefore A = 11^{3} \mod 17$
	B = 115 med 17
er,	debilen anima management of the original and original animal and original animal anima
ry /e	A = 1331 mod 17
	B = 161,051 mod 17
at l	works when senses with connections
nt	A = 5
	B = 10
	mia) to primary
	Alie sends Bob A
	BoB sends Alice B?
	and thousand and and
_	Alice computes $K1 = B^{\times} \mod n$
	Boh computes K2 = BA mod n : K1 = 10 3 mod 17
	$1 \cdot k1 = 10^3 \mod 17$
	K2 = 055 mod 17
	Membrian of the test of the second
-	KI = 14
	K2 = 14
,	Home Alia and Bols consoled
	Hence Alia and Boh general a secret symmetric

a) Musquending -> Active

Jk atype of identity theft,

where the attacket disquises

himself as a trasted

himself or server in order to

client our server in order to

gain access or steal avadentials.

Active due to the fact the attacker Question actively behaves in dispuse b Renial of Service -> Active achively frood a server our
network to prevent legit

ups from accessing services provided

If con he down hy physically
plagging out a new wive our
outloading server with connection The attacker or attackers Snooping -> Passive

The attacker only monitors

packets on the network to either gain knowledge about the new and new devices or to crack new password. Moniforing of N/w traffic, to figure out protocols, enoughour mothods, hors, and other activities, would also used for defension purposes.

		Marks Awarded
Question Nos	a la la cibra	B
2]	Nisodvantages of Augerpoint 1000 gnihön.	300
	of Ophical Programmers have high	
	FRR (False Rejection Rate)	
	which means authorized people	
	are not authoriticated property	
	A Maria Mari	
	2] Residues on the source lead to	
	higher FRR	
	1 C d damed	
	3) Early damaged	
	A CONTRACTOR OF THE CONTRACTOR	
	Pages suist	
	By Using a capacitive fingerprint	
	Sonner, we can lower FRR, its	
	highly durable and easily cleaned.	1
		(03)
	TOURNESS & 4 MORD ADVIDED ADVIDED	
	Codistantia est chase and and	
	TORREST THE COLOR STREET	
	A PARMAND DIALS DE	
	THE RESERVE THE PROPERTY OF TH	
	ages dame to stank we may	

Question		Marks Awarded
5	JECB, Electronic Code Book	
	Enoughion process	
	Plain Text Block I Plain Text Block 2 PTB3	
	Ericont & Key Enought & Key Enought & Key	
	The state of the s	
	ALTERN COLO	
	Cipher Tent Bloin Cipher Text CTB 1 Block 2 3	
	1)1 dh 2 3	
	Reagnhon	
	CTB 1 CTB2 CTR3	05
	Roypt they bright they Decynt whey	
	PTB 1 PTB2 PTB3	
	Hence blocks cun to encrushed	
	Hence blocks can be enoughted and decrypted in parallel.	
	analy to strice tenantisis	
	are large honce asker was	
	Its prone to destical tenantions analysis attach, if messages are large hence only used for one block transmission	
		0
		23/
		Mary

2] Token haved authenhicution. Question Its like a challenge verponge type where went is asked to either provide a number numeric token or a hand collection of dara known as a topon. Then can be generaled

If Time based

Seed hased

3] One-time generation. Time hased, every 60 seconds the client & server generates a new tohon. Seed Bared, Client & server use the same seed to generate to hers, which we the seeme. One fine generationServer generates tokens,
hunds them to client, per use
the token is discorded.