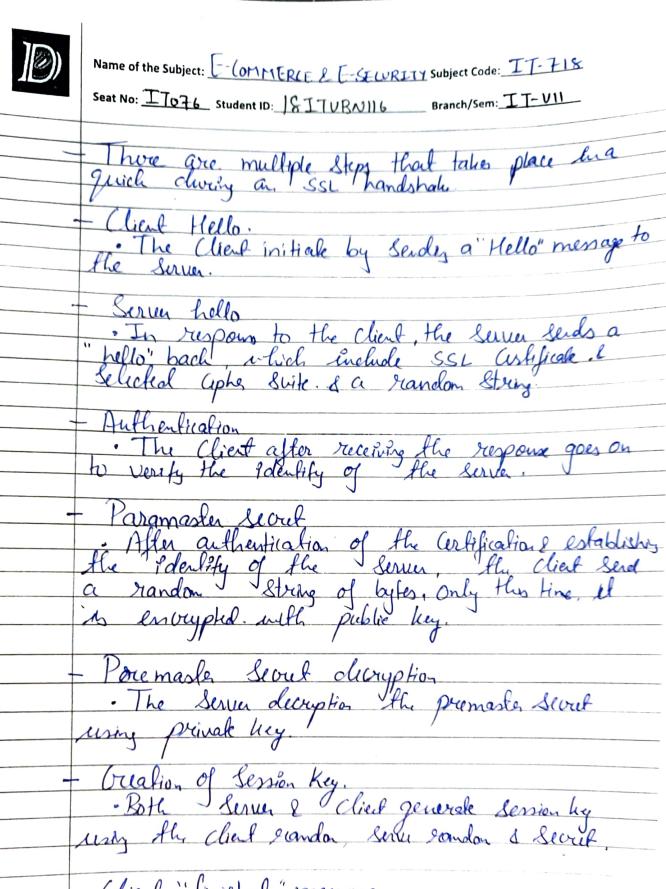
10)	Name of the Subject: E-COMMERCE & E-SECURITY Subject Code: IT-718 Seat No: IT076 Student ID: SITURN 116 Branch/Sem: IT-V11
02	Attempt the following [C1] SSI Handshabe Prolocal.
	- Allows Surves & Client To authenticale lach ather, to nigotial encuption & MAC algorithm & to nigotiale Cristographie key to be used.
	Client Server. Client Hello. Phane 1
	Certificale regula Phase 2.
	Circhenge Phase 3
	tinisha. Phane 4. Change - Ciphe - Sp. Finah.
Section - II	Date: 22 11 2021 Signature of Student: Page No: 01



- Client "finished" menage - The Client Send "forwhood" menage with lession how.

Sersion key

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	Name of the Subject: Subject Code: Subject Code: Subject Code: Subject Code:
	- Server " finished" menage. - Secure Connection established. . This Conclude the handshabe produce & the session Continues.
02	b Modular Exponetiation Algorithm.
	C=0; d=1. for i=k down to 0 do C=2 xc d = (d x d) mad n If bi=1 // True.
	relum d.
·	given a = 88 b = 7 n = 187 Comput 857 mend 187
	i 2 1 0 b; 1 1
	d ss 44 11
Section – II	So, the Value of d= 11. Date: 22 11 2021 Signature of Student: Page No: 03

	Name of the Subject: ECES Subject Code: IT-718 Seat No: TT076 Student ID: SITURNII6 Branch/Sem: IT-VII If bi = 0 Hu perfor (dxol)modn If bi = 1 Hu perfor d= dxd modn d= (dx9)modn
	887 mod 187 = 11
Q2	C Diffie - Hellman. 9 = 19
	A's Key generation. YA YA = 78 mad 19 : YA: a XA modq. = 11.
2	B's key generation YB YB = a^XB madg. = 7'0 mad 19 = 7
<u>(3)</u>	Shared Severt Key of both A&B KAR = Yp xn med 2
Section - II	Date: 22/11/2021 Signature of Student: Page No: 04

Name of the Subject: FCFS Subject Code: IT-718 Seat No: T7076 Student ID: STTURNII6 Branch/Sem: TT-VII FOR A KAB = 7 mod 19 = 11
For B KAB = 11 ¹⁰ med 19 = 11 So, Shand ky ar [1]
Using Modular Exp. Solving Callulation. D 78 mad 19. Compute. 8 = 1000
i 3 2 1 0 bi 1 0 0 0 c 1 2 4 8 d. 7 11 7 11
(compute 10 = 10 10 i 3 2 1 0 bi 1 0 1 0 c 1 2 5 10 d 11 7 7 [1]

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	Name of the Subject: Subject Code:
[<u>0</u> 1]	Te. Active Attacks
	1. Marqueade - Take place when one enity preleads to be different enity. Attack involves one of the form of active attack
	Family Tite
	2. Modification of menage. — Some parties of normage is altred on that menay is delayed. [Fanity]
	Fro Internet Ine.
	- Done by either Sender a Recures. The Sender a receive Can derry later that has Send as receive message.
Section – II	Language Capture of a menage & the Subsequent fransmission to produce offeet. Date: 22/11/2021 Signature of Student: Page No: 06

٠.

10)	Name of the Subject: Subject Code:Subject Code:
	Seat No: TT076 Student ID: STTURNII6 Branch/Sem: TT-VII
	Family overload the Sure by John Palu reg.
	FRO Indomet Me
	5. Devial of Survo
	- It prevent normal use of Communication, faults. This affects may have a Specific Target.
	Passive Atlack.
	1 The release of menage Content
	- Tele phonie Consusation, an electrone mail menage or transferred file may Conter information.
	Read the Family
	Frd Inland Mc
	2. Traffic analyses
	- The opportant could delemme the location of Comm. It identity of Communication host & could observe the freez. & length of message being.
	Observe the freq. & length of message being.
Section - II	Date: 22 11 / 2021 Signature of Student: Page No: 07

	Name of the Subject: Subject Code:
	Seat No. TToo
	Branch/Sem: TT-VII
101	C
	DI A CI
	Block Cipher Modes of Operatio.
	takes a fisual size of Exput say b bits & produces as appendent of b bits again.
	mades of application. There are Serval
	DECB & CBC B CFB GOFB
	1) CFB - Cipher Feedback Mode.
	of enouption with some non specification
	I mouption with some non specification
•	& output bits clivids as b-s bis.
,	Envertion.
	IV Shift me
k	b & S by 1 Shift reg
) enough
	1586 bin
	Sbit, bsbit S-bit bsbil
	$P_1 \rightarrow (+)$ $P_2 \rightarrow (+)$ $P_3 \rightarrow (+)$ $P_4 \rightarrow (+)$
	CI Pn +
	[C2] [Cn]
Section - II	Date: 22/11/2021 Signature of Student: Page No: Ob.

	Name of the Subject: FCFS Subject Code: IT-718 Seat No: IT076 Student ID: SITURNII6 Branch/Sem: IT-VII Decryption Subject Code: IT-718 Branch/Sem: IT-VII Subject Code: IT-718 Branch/Sem: IT-VII Subject Code: IT-718 Seat No: IT076 Student ID: SITURNII6 Branch/Sem: IT-VII Subject Code: IT-718 Subj
	IA) PL 1C2)
	2 Opt Elictrone (ode Block (E(B).
	- It is easy because of direct enveyption of level block of input plaintest & output S is in form of block of enveyption Ciphentise.
	Enouption.
K	Enought Lenoup Lenoup
	(C1) (C2) (Cn)
	Date: 22 11 2021 Signature of Student: Page No: 09
Section - II	

	Name of the Subject: EC ES Subject Code: TT-718
	Seat No: TT076 Student ID: SITURNII6 Branch/Sem: TT-VII
	Decryption.
K	Decrupt Ly Decrupt 00 - 1- Decrupt
	Pi
	P2 1Pm
101	(d)
	Attach on RSA
	1) Plain Text Affach
	3) Factorization Attack.
	(3) Pacyorazarion Milana,
	1 Plan Tesit Attach
	- It is Classified into 3 Catagoris.
·	(i) Short Menage Attach
	- The assumption is that the atteches knows Some block of plan Test message.
	- If he / She lemon shey It could be will key to enough the block of plan Tiset.
	to enough me older of plan list.
Section – II	Date: 22/11/2021 Signature of Student: Page No: 10

Name of the Subject:
- An attaches assums that the Cipherlest is formed using Some Permutation operations.
ini) Unlon(ealed Message Attach. - It is found that Some envapted appen less to the Same as the plan test.
2) (hoosean apper Text - The attacher can find out the plan Text from apper text using extended enclosed algorithm.
3 Factorization Attach.
- The attacks impersonales the key owner of with the help of Stoler data, they decrupt data
- This altach occus or RSA library which generales RSA kay. - Attackers can have the prinsk key of n no. of Security token, etc.

Section - II

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