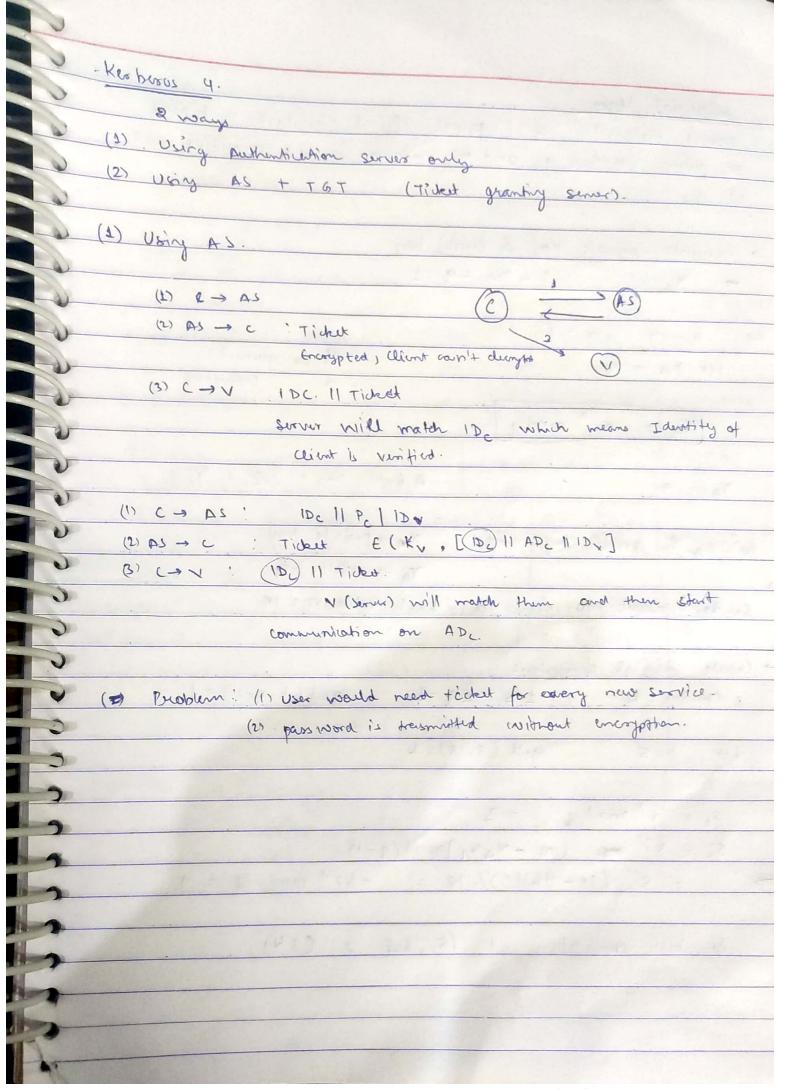
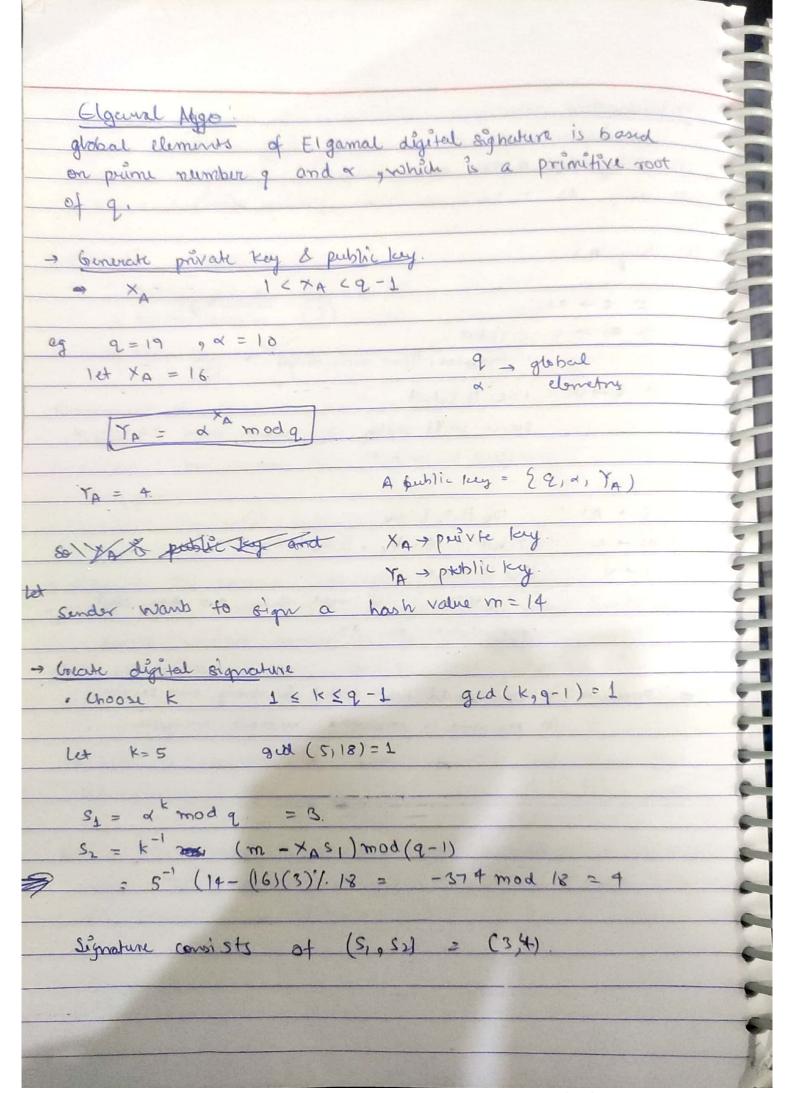


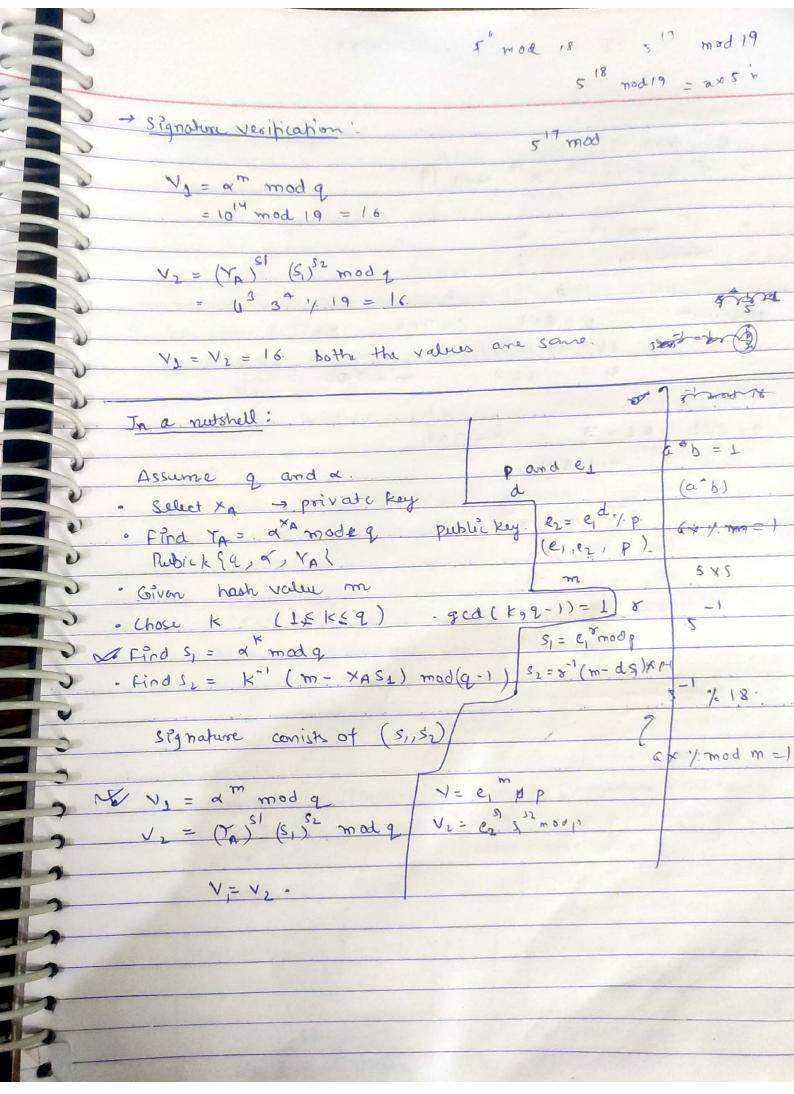
Other topic + DAA (Data	Authentication Algro)	
- MAC (Copper Bored this Authencohor code)		
These both are based on B	Slock cipher	
see pot and video:		
The tiva video.		
X. 509 Certificate		
Purpose - The main purpose of	+ digital contributes (SSLIT)	
is to identity people and		
such as Indennet & also to provide secure confidential		
communication blo & postice using encorption.		
suppt for detailed view of	extiticale.	
Version -> Version of X-569		
Sevial Number - uniquely identifies certificate host uso) Signature Algorithm ID - inas used to sign certificate (RIA)		
Jesus (CA) X.500 Nano> Identity of CA Validy Brood Subject Xeodrom -> owness identity haiter x soo diamony Subject Public key: Algro Jd Rublic key of owner		
Subject Public key Algo Id Public key of owner		
Into Public key Value and algo associal ted to P		
Issues unique Ig -> Info that can be used to lobefor issue		
Subject unique ID		
exkusion Additiona		
CA dig. sig. The actual	ed dystal signature of (A	
Newsian Sevial Numbe		
Algo used to eight contiffate.	websites have certificates	
Identity of CA velley Prior	issued by servery.	
Identity of owner	•	
Publickey and algo used.	•	
Vesity id of CA		
verity 12 of owner other (tetural		
1 140 signaleure		

> Public key Infrastructure: -> set of { handware, software, policies, providere, people 3 needed to Evrente, mange, store, distribute, revolve digital certificates? -> Public key Infrestructure X.569 is called (PRIX) + PRIX Elemets: CRL C Certification Revocation List). Full Rotta, gread PPT. * PRIX Management. Functions & PRIX Elements: · Registration - End entity · Initialization -> Certification Authority (CA) · astification a Registation Authority (RA) · Key Pair Russing -> CRL issuer · Revocation Request · Cross Validation. -> Rypository. & PKI thage protocols. · CMP (costificate management Partocal) - request, rander, suspend, resume . CHIS (Cryptographic menage syntax) - encrypt dyingto sign verify compress decoupre

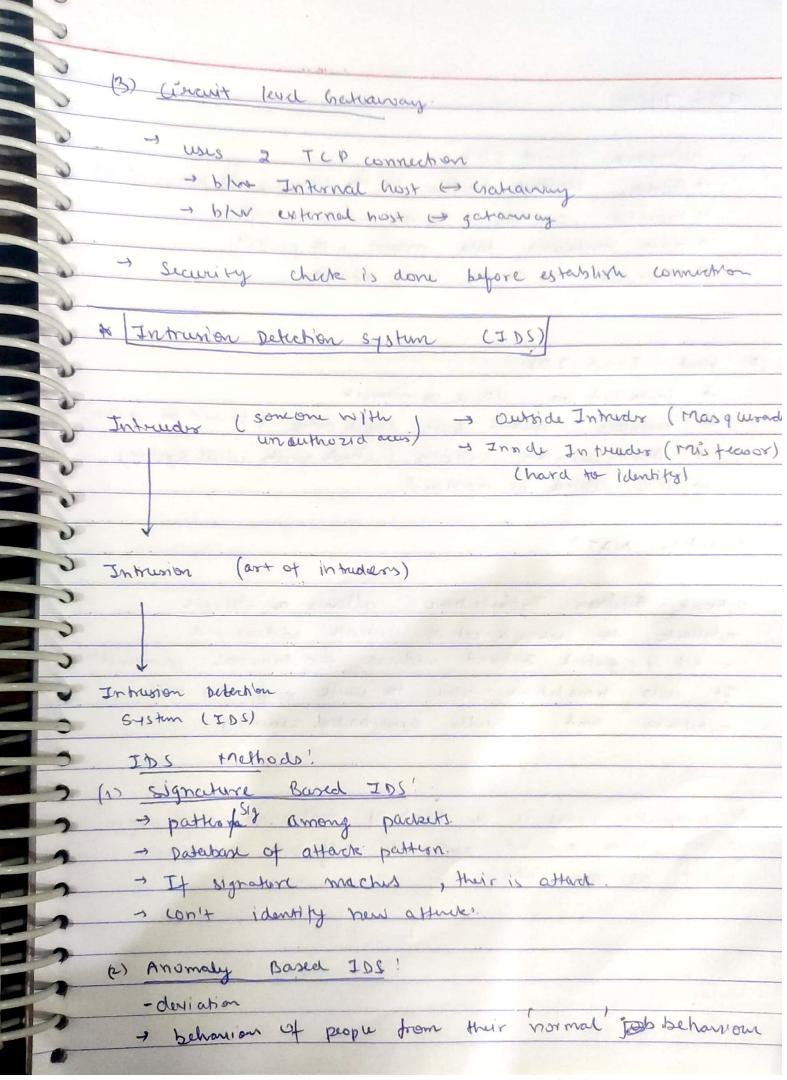
Kerberos: Kerboros Ba a network authentication protocol		
that works as bail of Hidely to allow nodes to		
communications over metwork to prove their identity to		
one another in a secure momer.		
one anomus in a secure issue		
3 heads! 3 sty process!		
Authoritication. as per (1) usur		
- Authorization video (2) kDe		
(3) Sensices.		
→ Acountry.		
Requirement of kerbosos		
· Secreta		
Reliable: one system able to back up another.		
· Transporat:		
· Scalable: modular distribute architecture		
- 2000000		
- KDC - The service that offers ken bos ticked		
-> Tidelet Growthy sureses (TGS)! A senser that issues tickets for		
desired services which in turn are given to wer to		
accus the serviour. some on some host as KDC.		
The state of the s		
•		
feetburgs is capable of both symmetric and asymmetric		
kes beros is more sewe than other authentication methods		
because it doesn't send plain text passioned over interior		
and justiced uses everypted Hilbert's		







	Security As all	The second secon	
1	Security Assocation:	and recious.	
	-> One way julationship 10/40		
	3 parameter.		
	TR Dut has Address	Mentiones 1	
	It post range mass	who se curity AND GUT	
→ Security Parameter Indeed (a particular security Associated) → Sequence number counter (0 to 232-1) (Increment after every → Sequence number counter (0 to 232-1) (Increment is sent)			
	-> has other Panen!	Vactor 13 SEVO.	
	has other Parent		
-	→ Algo und . <		
-	- JPsie Protocol mode.	4 - 19 - 1 - 1	
	<i>J</i> 10-5	The state of the s	
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V	JESUS LOYE ME	1 AL	
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9	THE RESERVE OF THE PARTY OF THE	356	
13	Secure socket (ages (SSL)	TL	
13	a list by M Application	of tayer	
3	- Consumes conf + author + intgritt.	ASA .	
	the state of the s		
3	The three property of the party of the state	ounia	
3	- 4 Protocols.		
2	-> Handshake Protocol (Imp) (cov	t' t integrated	
2	- SSC Record Protocol (Imp) (co	mb' + integraty) msgs) (MAC)	
-	-> Alust Protocol (Alert, coron	at I byk of valuel	
	- Alert Protocol. (1 mag	Lie 12 K - X (1000) in 1	
	For	state)	
	Hondshave sper Alert HTTP 1	it tlip.	
7	SSI Record Protoco		
7	TCP		
7	: IP	MINER WAY	
	g ssc Protocol Stearch 3	Bright Larry	



IDS TYPS! (1) Network Based IDS - Analysis: Matches traffic to the library of lensus attack. - monitors, capture & Anales network traffic + Dutest malacions data present into packets. - Difficult to do on busy netword. (2) Host Based 201 - installed on device or network - monitors packets from device only (to and to packets) - Alert suspious activity (check with ideal system) - file delited or modified. What is NAT? Network Address Teranslation allows a private notwork to use a set of private address and a set of global Intend address for external comments It was translation took to route mugs blow two networks and provides substantial security. A computer visus is a kind of malacious comp progon which when executed, represented thelp and modify or insurt its own code.