## Module -V.

## Egyptography & N/w se curity

- \* Into Recurity: (p)s Ee methodologies that are designed Ee implemented to protect print, electronic lary other form of confidential, private Ee Rensitive data form wanthorized access.
- \* cybr Recurity: It is a subset of info is, is a practice of protecting Kystms, n/w & prograf from digital attacks.
- \* Now security: It is a subset of cyber. 5, aims to protect the undrying now-ing infrastra se now resources from unauthorized access.
- I croals of N/w security:

  \* N/w.s enterils protecting the usability,

  Rediability, integrity & Safety of N/w

  & data.
- confidentiality 1) is to protect precious business data from unauthrized persons.

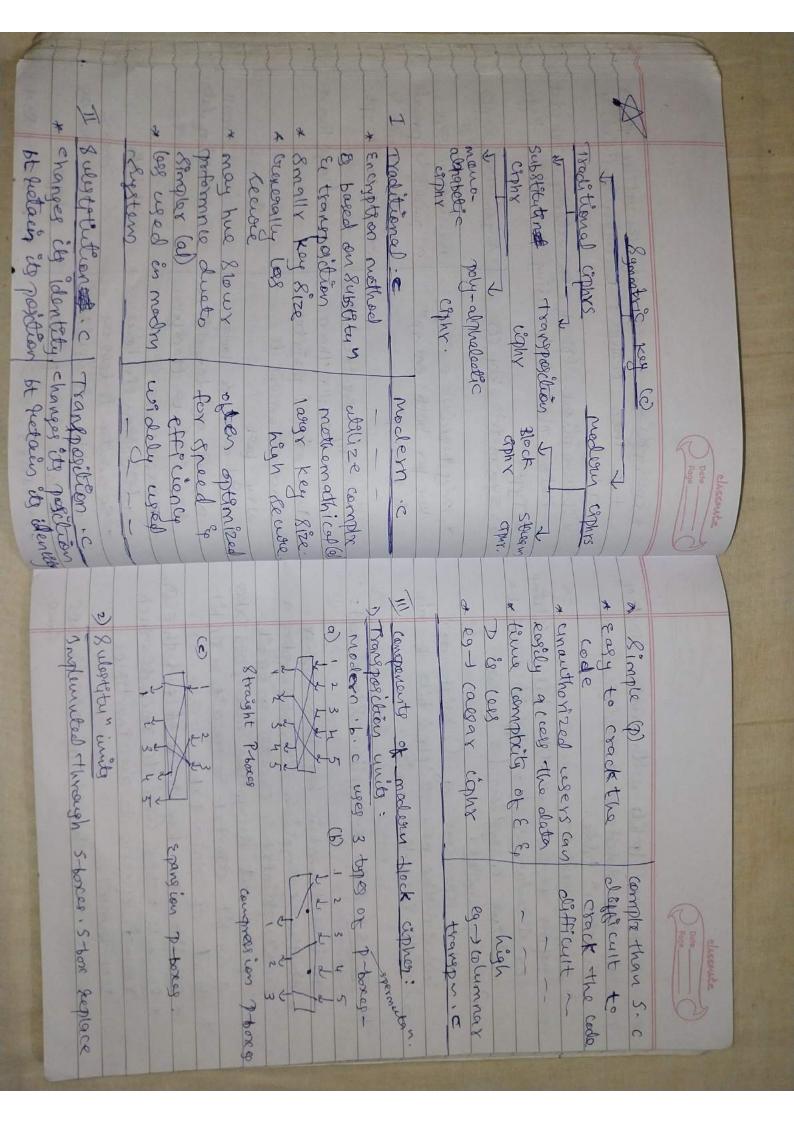
  Integrity means maintaining ep assuring the accuracy ac consistincy of data.

  Availability 1) is to make Sure that

The data, now rescurses are continued a vailable to the light mate users.  In security Attacks:  Present the attempt to enchase salter to use of an aspect.  At is the attempt to enchase salter to use of an aspect.  A their their Cravity.  A their their Cravity.  Masquerade:  Masquerade:  Papers to who an attack material to resource to use of which an attack to repair to manipulation. It takes pollow horns.  Papers to who an attack materials to resource to user sauthorized user system to an attack to resource to user sauthorized in the life	Date
popers to cinauthorized atterés macle to data as it is transmitted blu Cystres Lusers.  Cystres Lusers.  Cystres Lusers.  Charge fra is volve charging the centres of negs, inserting new ciaup code lints, afting parts of ness, et c.  [bb] nessine an attack intropt carefully  [bb] nessine an attack intropt carefully  [cg timete data transmitted negs.  [b] passive attack into fram a system access (publice into fram a system access (publice authorized attempt to heim transmitted.  [b] publice to unauthorized attempt to access (publice authorized attempt to heim transmitted.  [cantat: ] releasing the inpo (entained cuttum a act the fine (entained cuttum a	clusswite

a plaint tet - report to confinal, quadrable data the any encyption is applied.  Tapher tet - is the encypted born of plain tet, making it unsucadable	decade & undestand than.  It aims to keep data & ness private & naccombilete to pessible threats.	* Technique of Levoling into Ex Commu in through use of codes so that any those can undestand it.  * It uses codes to motect data Ex Commu-	intended precipients.  Intended precipients.  The first of most sends the contents of most sends the contents of most sends the sends th	Date Classwarte
both & ELD purpose 2 keys as both & ELD purpose 2 keys - more as	* tous property of slow.  * used whi a longe - small  * used whi a longe - small  * they property  * thou property  * thou property  * thou property	* Only suguesses a single suguesses 2 keys, key for both encrypt a pulsaic se private se decrypt.  * Size of cipher tet is the other I to alecrypt.  * Size of cipher tet is the same lays than same I signal plaintet.	* Encryption - process of courting plain that into ciphen txt. using and all if a persyption - (A) of conviting eight txt into plain txt using decryption key.  * Types -  or symmetric key (6)   Alymmetric key(c)	Chisspate Chisspate

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	ATES (): The 1	* Sp- pit ciby x  * Bornel of DES  * Bornel of DES	Squate plaintat & Grean compation a 64-bit compation of plain tat.	* It is a symmth	3) Shipting church of the or words of the character of th	blocks of ilp bit	
At applies a 48-bit key to modern stores to produce 3:  Are symmetric key generalized by sendon stored by Robbit , solder the plants of key to proposed a widely used alymptographic all for secured be shared openly while Of its kept secret.  Asymmetric key liphrs:  RSA Chyptesystem:  RSA Chyptesystem:  RSA Chyptesystem:  RSA Chyptesystem:  RSA Chyptesystem:  RSA Chyptesystem:  Rivert  Ri	record of DES & DES					block	Classmate Page
Shamin of the state of the stat		To decrypt the complete the	* uses a pair of keys - Thurston & while @ provo the great a mag using PSA,	RSA Cryptosystom: Rivest-Shamir-Allamy It is a widely used asymmetric Craptographic (al) for Recurre data trave-		It applie	C Paris

