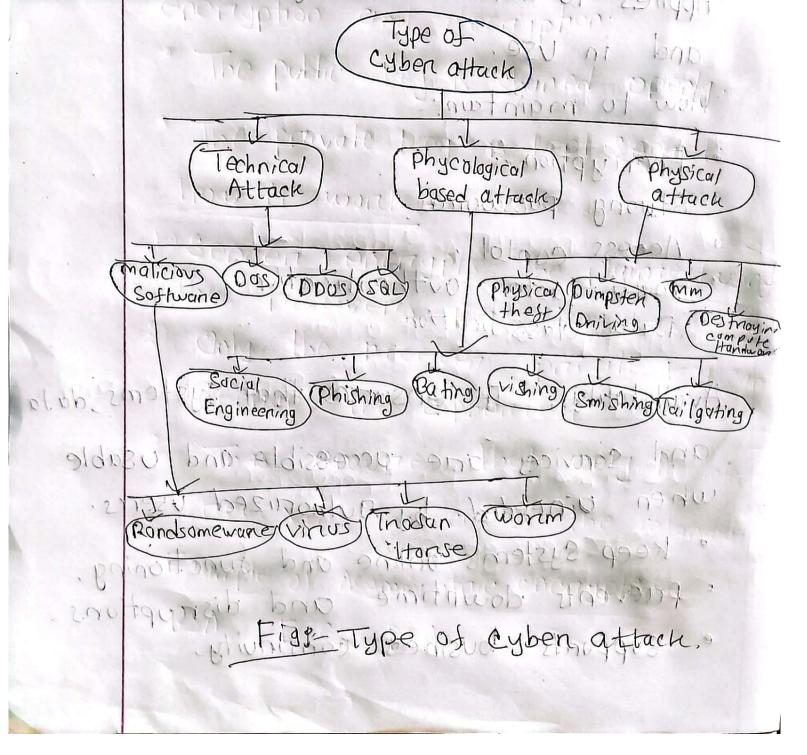
Bindu TT-21003 16-04-2025 Asignment Assignment of class-29000 non. ipholeolion. Integrity confidentiality Indorimation Security (System)



Sem Symmentric encruption :- in the

Symmthic encryption is a type of enyptography where the same key is used of fon both encryption and decryption of data.

Key points:-

- decryption of a real storing and
- · Faster and less complex than assymmetric
- encryption, staymon making amount of data.
 - Main challenger-Securely sharing the key between parties,

Example of Symmetric Algorithm; 21 1

AES, DES, Blowfish and Twofish.

Asymptetric energetion in many

Asymmetric encryption, is a cryptographye method that uses two different keys a public key and a private key for encryption and decryption.

bno northy. The public key is shared openly,

The private key is kept secret.

· Fastery and less; strowelsti aboth assymme

1) Senden encrypts the plaintent using

2) Only the neceivers provate ley can decrypt the ciphentent

3) This ensures that only the intende:

neceiven can access the information.

Enample of Asymmentric encryption

RSA, DSA

Steganography:

Steganography is the practice of hiding secret intormation within an ordinary non-secret bile on message to avoid detection.

of the information,

key pointi-

- · unlike encryption, stegunography hides the existence of the message itself.
- · Commonly used with images, audio siles, videos on text.
- · It done prioperly, no one will even know there is a hidden message.

Howit work:

- · A secret message is embedded inside other file using special techniques.
- The file Looks normal to a Cagual

entract the hidden dadar armative within law andinan is to conceal the en

