CAE-II - Computer Nelwork

PART-B

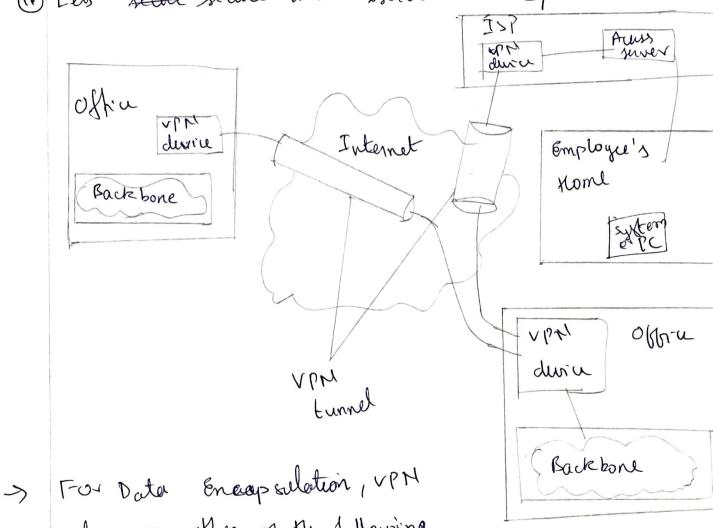
- O NPM is a type of private network that was public telecommunication, such as the internet, instead of leased lines to communication
 - > It become popular as more employees worked in remote lo cations:
 - => Entends a private retwork a cross a public retwork
 - Should be public networks as if their computing devices were directly connected to the private networks.
 - > Per & your a VPN works (function?
 - 1 Two Connections: One is made to the internet and the second is made to the VPH.
 - @ Datagrams: Contains data, destination and source information.
 - (1) Finwalls: VPMs allow authorized mus to pass

through the finewalls

- Protocols Protocols create the VPN tunnels
 - (1) Authentication: validatus that the Data was gent
 - @ A cass Control: Limiting unauthorized was from a cereing the network.
 - (10) Confidentiality: Preventing the data to be mod/
 - Woode groupity: Ensuring that the data has not been altered.
- s Enonyption in a method to of " severabling" deiter before transmitting it enter the internet
- > Tunding in a virtual point to point connection made attrough a public network

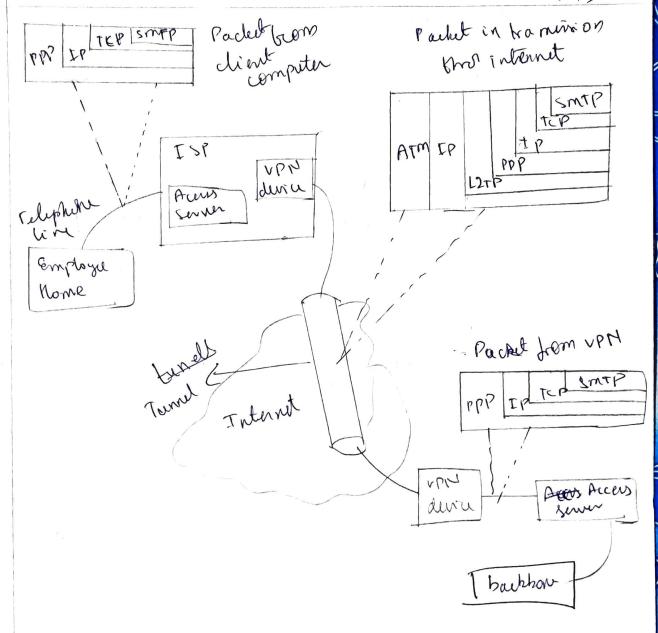
VIPM characterintres

- 1 Cheaper
- @ Easin to establish
- (11) Les reliable than WAM
- (V) Les seure seure than isolated LAMS/ WAMS.



relies on either of the Johnwing feehourogs to like hre, IPSec, PPTP and L2TP

> In which, I he and PPTP are more popular.



The 3 basic phase:-8

1 Preparation phase ;

> Descrises how to define god gods in nesserable

term.

> Com set of propular communication tools can be comider wring to facilitate the network der yn process

- I multimude note not work and the took that represent
- > simple enomples on often insufficient to imposel our understanding of the proof process.
- so shoulds the structure and opposed that we merry from the user money

facts in dudy.

gods: gods: Next we stated in measureable termy

Data Collection: - topology of traffic of the enisting

network in captured:

s Principal of grads

- O To dwelop a radidate basiline
- ous transfer model (ATM) backkone
- @ Bardin Phane
- 3 such data an presented
 Surliver are:
- 1 Tool we and data Wheeting or validation
- @ Regnery to validate the data return. h

Integrating and Validating subjects

(M) Della Phase

- The Changes are applied to the boschine retwork, obter which the results are analyzed and summarized
- some can that the baseline was cont constructed.

PART-A

- 1 End to End Encryption in important to recreate a secure secure secure here of communication that blocks third party woon users from intercepting data.
- (2) In care of Remote: Individual muss one connected to the private network of it allows the technique to access the service

Site to Site VPM: In this could, IPSce townell
to tunneling method is used, to weath an Encrypted
tunnel.

- 3 O PPTP: Point-to-Point turneling Redocal.
 - @ LITP = Layer 2 Turnelly Protocol
 - @ IPSec Internet Priso w Seemity
 - (Sochs Sochet Seeme Seeme
- A bridge is a network dure that connects multiple LAMS to gether to form a Layer LAM. It connects different components so that they appeal as part of a si single network.
- The forlowing one the tooks
 - 1) Simple View
 - TW3M @
 - @ Ether Vision
 - (v) Foundation monager