1. mention any two function of application

gorcuicos like email and file transfer.

- SMTP and DNS.
- a. What do you mean by Promy Server?
- enne A promy Berever is an interemediary between a client and the interenet, which helps to fitter requests, enhance Securcity, and improve performance.
- 3. What is the significance of WWW in interent? are The World wide Web (WWW) allows users to access and share intermetton over the internet using web breakers via hyperdinks and web pages.
- 4. Differcientiate between POP3 and SmTP.
 - · Pop3 (Post office Protocol 3): Used tod.
 - o Smith (Simple mail Transfer Protocol 8): Used to Send emails to a Server or between Servors.

Sec-B

1. What is configuration? Emphis the Problem and Provention Preinciples.

ane congestion occurrs when the network is overloaded with treatic, causing Packet

class and delays.

· Problem: It leads to Preriferemence degradation

and lower thorough Put.

oProvention Pranciples: Include traffic Shaping, congestion avoidance algorithms (e.g., RED), and increasing network ruesources. ter formation.

2. Draw the schematic Diagnoun of 1Pv4 header and complain.

and The 1944 headore is a finned length 20 byte Straictee that Pravides essential information for routing and delivercy of IP Packets across the network.

IRH headon. Helds one!

Alete Size De Time to Live (TIL)

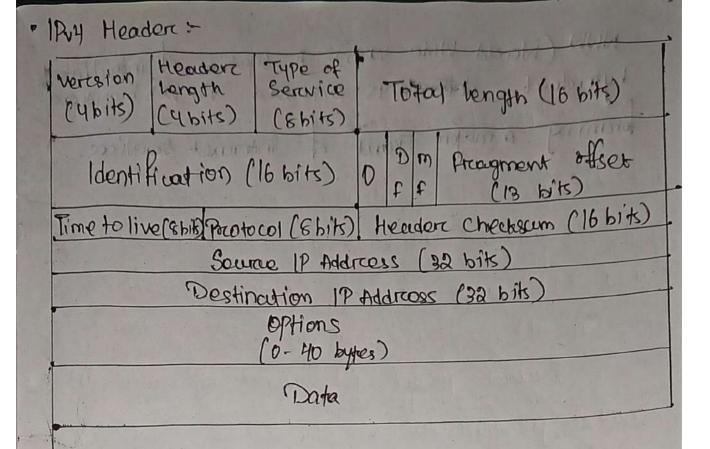
- · Veresion . Heador checksum
- · Header length . · source 1P Addices Type of Services (ToS)

 Destination IP Address

 Identification

 Options (optional)

- · Padding (optional)
- · Plags · Acagment Offset
- · Duta (Payload)



Sec-c

- 1. Emplain DNS and SMTP.
- DNS (Domain Name System): Trounslates human treadable domain names (like: WWW. Emample.com) sonto IP addresses.
- for Sending email messages between servers on from a client to a server.
- 2. Emplain remote login and WWW.

 Remote login: Allows a User to access
 a computer over a network nemotely,

 typically using Telnet on SSH.

WWW (Worked wide web): A system of interdinkey hyperaterit documents accessed via new browser terming a majore part of internet service. There by live (21) Process of the Color of States (16 Part) Scarce 14 Addicess (38 polks) (did 88) 220016bA 97 wolfertile 90 ("G- the boller") Spix 1. Emplain DNS and Emp. · DMs (Domine Many System): Trounslates himous recordable domain manes fixer . 25 00 miles 91 strat Como : significa co co. Board (Classian), soft and Bout stands, dilated a in Cording and mysecogiss - bothern societies or home a client to a server. treplain econote legen and ideal. a como of melli a avalla : migal stargest. Compation Diving a reference se mosterly; inpically boing relact, on sell,