

Computer networks

- 1.Explain with a diagram the routing and forwarding that happens in packet switching networks.
- 2.Differentiate between packet switching and circuit switching
3. Demonstrate the Internet with an appropriate figure for the same having IXP, ISP access nets.
4. Explain the practically implemented network-model and list the functionalities of each of the layer.
5. Compare the client server and P-to-P network architectures.
- 6.Explain stepwise non-persistent HTTP protocol.
- 7.Demonstrate the interaction that happens in SMTP between A and B for sending and receiving the Emails
8. Apply working of P-to-P architecture for file distribution application Bit Torrent
- 9.Explain the working of FTP along with sample responses and codes
- 10.Explain in detail caching updating and inserting records in DNS
- 11.What is Internet Protocol Stack? Explain the services provided by each layer
- 12.Describe the following
 - I)Packet loss
 - II)Delay
 - III)throughput
- 13.Differentiate between TCP service and UDP service.