**Chap-3**

1. What is meant by Hardware Sharing with example?/ advantage of hardware sharing in a network? **(LHR-2022)** **(Lhr 2023) (Grw-2021) (Grw-2022) (RWP-2023)** **(BWP-2023) (DGK-2021)**
2. Define communication channel.  **(RWP-2023)**
3. Define computer network with example/ increasing storage capacity/Video conferencing? **(BWP-2022)(MLTN-2021)** **(Lhr 2021(Mor) )** **(Lhr 2021(eve) )**
4. Define the protocol / FTP /SMTP / HTTP /How doe HTTP protocol work? **(MLTN-2022(Mor) ) (MLTN-2022(eve) )** **(Lhr 2023)(Lhr 2021(Mor) )** **(Lhr 2021(eve) )** **(LHR-2022)** **(FSD-2023)(Grw-2021(Mor) ) (Grw-2021(eve) ) (BWP-2021)(DGK-2021)(MLTN-2023)(MLTN-2022) (RWP-2022)**
5. How many types are of Connection? Define / Write names **(BWP-2022) (LHR-2022)** **(RWP-2023)**
6. Define File Sharing **(MLTN-2021)** **(DGK-2021)**
7. Define communication./What is meant by message in data communication? **(Lhr 2023) (Grw-2022)(FSD-2023) (MLTN-2021(Mor) )** **(MLTN-2021(Eve) )** **(Lhr 2021)**
8. Write a short note on Client Server/ How to connect client and server with each other on internet /Define Client and server./Why is server more powerful than client?/Why we use server computer? **(LHR-2022)**  **(Lhr 2023) (MLTN-2023) (MLTN-2022) (LHR-2022)(BWP-2023)(Grw-2022)**
9. Explain IP Addressing./Describe the difference between Static and Dynamic IP address/ Define IPv4 address/Write down the standard names of IP addressing. **(DGK-2021) (RWP-2022)(MLTN-2021)** **(MLTN-2023)(Grw-2021)(BWP-2023)**
10. Why addressing is needed in data communication? **(Grw-2022)**
11. Define router?/Routing **(DGK-2021)(LHR-2022)** **(MLTN-2021)** **(MLTN-2022)**
12. What is the function of data link layer?/ Physical / Data link /Application/ Transport Layer **(DGK-2022)(FSD-2023)(DGK-2021)(BWP-2022)(Grw-2021(eve) )(Grw-2021(mor) ) (Grw-2022)**
13. Define control information. **(Grw-2021)**
14. Differentiate between sender and receiver?/function of Sender **(Grw-2021) (BWP-2021)**
15. Define hub or switch. **(Grw-2022)**
16. Define Transmission Medium//Write different types of transmission medium. **(MLTN-2023)(BWP-2021)**
17. Define TCP/IP. **(DGK-2022)**
18. Differentiate between Sender and Receiver **(DGK-2021(Mor) )(DGK-2022) (DGK-2021(eve) )**
19. Write any two advantages of Ring Topology/ disadvantages of Mesh Topology/Define star topology./ Ring Topology.  **(RWP-2023)(BWP-2023(mor) ) (BWP-2022(eve) ) (RWP-2022)** **(BWP-2022)**
20. What is Computer Network model?/ Physical Layer. **(BWP-2022)(MLTN-2021)**
21. URL stands for? **(MLTN-2022)**

**Long**

1. Define computer network model Explain its any 3/4 layers in TCP/IP models **(MLTN-2022) (Lhr 2023) (Lhr 2021) (Grw-2021)(MLTN-2021)**
2. What is meant by Topology? Describe Star / Ring /Bus/ Ring/ Mesh topology and its working Difference and advantages in detail. **(BWP-2022) (DGK-2022) (LHR-2022)** **(RWP-2023)** **(RWP-2022)(MLTN-2022)**
3. Explain Router/Routing process in detail **(Lhr 2021)(Grw-2021)(BWP-2023)**
4. What is data communication? Explain components of communication system. **(DGK-2021) (LHR-2022)** **(BWP-2022)** **(Grw-2022)**
5. Write down notes on the following: (1) File sharing (ii) Hardware Sharing **(Grw-2022)**
6. Define Computer Network and write its importance/ Needs in detail. **(BWP-2021)(FSD-2023)(DGK-2021)(MLTN-2023)(MLTN-2021)**