**CHAPTER- 1: COMPUTER NETWORKING**

1. What is networking?

2. Arrange the following communication channels in the ascending order of their data transfer

rate.

(i) Optical Fiber (ii) Coaxial cable (iii) UTP cable

3. Write two advantage and two disadvantages of Coaxial Cables, Twisted Pair Cables, Fiber Optics.

4. What is meant by transmission media? Give two examples of guided media and two examples

of unguided media.

5. Which of the following is not a transmission media?

i. Telephone Lines ii. Coaxial Cable iii. Modem iv. Microwave Systems

6. Why switch is called intelligent hub?

7. PACK N PICK is a food supply company with kitchen and market unit 110 meters away from

each other. The company recently connected their networks using UTP cable to share the stock

related information. But after joining their networks, they are not able to share the information

due to loss of signal in between. Which device is to be installed for a smooth communication?

8. Two engineers in the same room have connected their Palm-tops using Bluetooth for working

on a Group presentation. Out of the following, what kind of Network have they formed? LAN,

MAN, PAN, WAN.

9. What do you mean by topology?

Identify the type of Topology from the following:

(i) If each node is connected with the help of independent cable with the help of a central

switching (communication controller).

(ii) If each node is connected with the help of a single co-axial cable.

10. A University would like to go in for networking of all the computers. Which topology would you

recommend and why?

11. Lalit is transferring songs from his mobile to his friend’s mobile via Bluetooth connection. Name

the network used by Lalit.

12. Which protocol is used for transfer of hypertext documents on the internet?

13. Ram wants to transfer hypertext documents on the Internet. Which protocol must be used for

the same?

14. Samhita says that the following numbers indicate an address:

i. 208.77.188.166

What is the above address called? To which object/device is it assigned

15. Rohit is confused between the terms Domain Name and URL. Explain the difference with the help of appropriate examples of each.

16. When is a repeater used in a network?

17. What is domain Name?  
18. Define any two threats to Network Security.  
19. Define the following terms:  
Cookies, firewall, snooping, PC Intrusion, spamming, Trojan horse.  
20. Define Authorization and Authentication in context of active protection.  
21. Define Email.  
Short Answer Type Question:1. What is computer network? What are its advantages?  
2. Differentiate between guided media and unguided media?  
3. Differentiate between LAN and WAN?  
4. Define Bluetooth, satellite link.  
5. Define the following: Repeater, Gateway, Modem, Switch  
6. Write any two advantages and disadvantages of star, tree and Bus topology.  
7. What is IP address? Explain with example.  
8. What is MAC address? Explain with example.

**CHAPTER- 2: OPEN SOURCE CONCEPTS**Very Short Answer Type Questions (1 Marks)

1. Write the names of any two free software?

2. Write the names of any proprietary software?

3. Write the names of two open sources software.

4. Which of the following is not a characteristic of Open Source Software?

a. Its source code is available for modification

b. It is owned by a company or an individual

c. It can be downloaded from internet

5. Define the following terms:

Free Software, Open source Software, Proprietary software, freeware, and shareware

6. Identify the free software out of the followings:

Mozilla firefox, PHP, GNU, MS Office, MySQL, Linux

7. What is significance of Unicode?

8. Expand the followings:

OSS, FLOSS, GNU, W3C, ASCII

9. Name the two encoding used for Indian language computing.

10. Name two Indian script included in Unicode.

11. Navneet is using software, which has been downloaded from internet and is available for

one month. After one month he has to pay license fee for further use. Which software

Navneet is using?

12. What is DoS (Denial of Service)? Explain briefly.

13. Which of the following are open standards?

1) .ogg (2) .doc (3) .ttf (4) . jpeg

14. Which of the following are open standards & which are proprietary standards?

i) WMA ii) DOC iii) JPEG iv) HTML

Short Answer Type Questions: (2Marks)

1. Difference between free software and open sources software with example.

2. What are the different standards?

3. What do you understand by ODF?

4. What is Ogg Vorbis?

5. What do you understand by TTF and OTF?

6. Mr. Dass is confused between Shareware and Open source software. Mention at least two

points of difference to help him understand the same.

7. What is character encoding?

8. What is the difference between static and dynamic fonts?