

INTERNATIONAL INDIAN SCHOOL, RIYADH

XI – XII BOYS SECTION

INFORMATICS PRACTICES WORKSHEET

1ST CHAPTER COMPUTER NETWORKING

Grade- XII

1. What is MAC Address?
2. Write two advantages of networks.
3. Write two disadvantages of networks.
4. What is communication channel? Name the basic types of communication channels available.
5. Define a network.
6. What is IP address?
7. What is domain name? How is it different from URL?
8. What are the various types of networks?
9. What is the difference between MAN and WAN?
10. What is meant by Topology? Name some popular topologies.
11. Name any two most popularly used search engines
12. Mr.KavyeShastri, General Manager of unit Nations corporate recently discovered that the communication between his company's accounts office is extremely slow and signals drop quite frequently. These offices are 120 m away from each other and connected by an Ethernet cable.
 - a) Suggest him a device which can be installed in between the offices for smooth communication
 - b) What type of network is formed by having this kind of connectivity out of LAN, WAN and MAN?
13. Raj Kamal International School is planning to connect all computers, each spread over distance within 45m. suggest an economical cable type having high speed data transfer. Which can be used to connect these computers.
14. Which of the following is not a feature of networking?

- a) Resource sharing c) Uninterrupted power supply(UPS)
 b) Reduced cost d) Reliability
15. Write two advantages of using star topology over bus topology
16. What do you understand by the term cookies and firewall?
17. Mr.TaufiqAhamed wants to prevent unauthorized access to/from his company's local area network. Write the name of system (software / hardware), which he should Install
18. Seven Brothers fashion Inc, is a fashion company with design unit and market unit 130 m away from each other. The company recently connected their LANs using Ethernet cable to share stock related information. But after joining the LAN, they are not able to share the information due to loss of signal in between. Which device out of the following should you suggest to be installed for smooth communication?
 (i) Modem (ii) Repeater (iii) UPS
19. What is the difference between star topology and bus topology of network?
20. How are coaxial cable differ from optical fiber?
21. Expand the following items:
 (i) XML ii) SMS iii) GNU (iv) MAN
22. Mr.KantSen Gupta wants to prevent unauthorized access to/from his company's local area network. Write the name of a system (software/hardware), which he should install to do the same.
23. Beauty Lines Fashion Inc. is a fashion company with design unit and market unit 135 meters away from each other. The company recently connected their LAN using Ethernet cable to share the stock related information. But, after joining their LANs, they are not able to share the information due to loss of signal in between. Which device out of the following should you suggest to be installed for a smooth communication?
 (i) UPS (ii) Modem (iii) Repeater
24. Which of the following is not a feature of Networking?
 (i) Resource sharing
 (ii) Uninterrupted power supply
 (iii) Reduced cost
 (iv) Reliability
25. Saurabh is confused between the terms domain name and URL. Explain the

difference with the help of appropriate examples of each.

26. Write one advantage and one disadvantage of using star topology over bus topology.
27. Define the following with reference to threats to network security
 1. Worm
 2. Trojan horse
28. What are the similarities and differences between bus and tree topologies?
29. What are the limitations of star topology?
30. Discuss about various security threats?
31. What do you mean by malicious programs?
32. Who are Hackers? How they are different from Crackers?
33. What is Internet? Discuss some communication facilities available on Internet?
34. What are the similarities and differences between bus and tree topologies?