

MODEL QUESTION PAPER
SUBJECT: COMPUTER ORGANIZATION & OPERATING SYSTEM
(THEORY)

STD: XII
Max Marks: 50

Course: Computer Technique
Time: 2 hrs

General Instructions:-

1. All questions are compulsory.
 2. Figures to right indicate full marks
 3. Write the no of the question and sub-question clearly
 4. Draw diagrams where ever necessary
 5. Answer to every question shall start on a fresh page.
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Q1A.) Fill in the blanks by choosing the appropriate words from the choices:

1. _____ connects LANS together between cities. (1)
a) WANs b)MANs c)Network d) star topology
2. Cables with sheild are called _____. (1)
a) Twisted pair b)unshielded twisted pair c) shielded twisted pair
d) Coaxial cable
3. _____ is the most important part of Linux system.
a) Kernel b) Operating system c) layer d) files
4. The typical fiber optic cable consists of a very narrow stand of glass called the _____. (1)
a) Cladding b) jacket c)light d) core
5. _____ command helps to copy files and directories in Linux.
a) cp b) ls c) mkdir d) ls -l

B.) Pick the odd one out from the following computer terms: (5)

1. LAN, WAN, Cable
2. Switch, hub, internet
3. Coaxial cable, Optical fiber, linear bus topology
4. Cd, ls, ctrl+c
5. Linux, Windows, Microsoft word

C.) Match the following: (5)

- | | |
|-----------------------------------|----------------------|
| 1. Command for creating directory | a) Wide Area Network |
| 2. WAN | b) Username |
| 3. Login | c) Print servers |
| 4. Type of server | d) list files |
| 5. Ls | e) Mkdir |

D.) Answer the following in a word or phrase. (5)

1. Which signal in data transmission takes two discrete values?
2. In which type of topology can client server architecture be used?
3. Name the device used to connect LAN's to the internet.
4. Which is the device that connects the two networks together?
5. Name one type of network.

Q2.) Answer the following questions in one sentence each: (10)

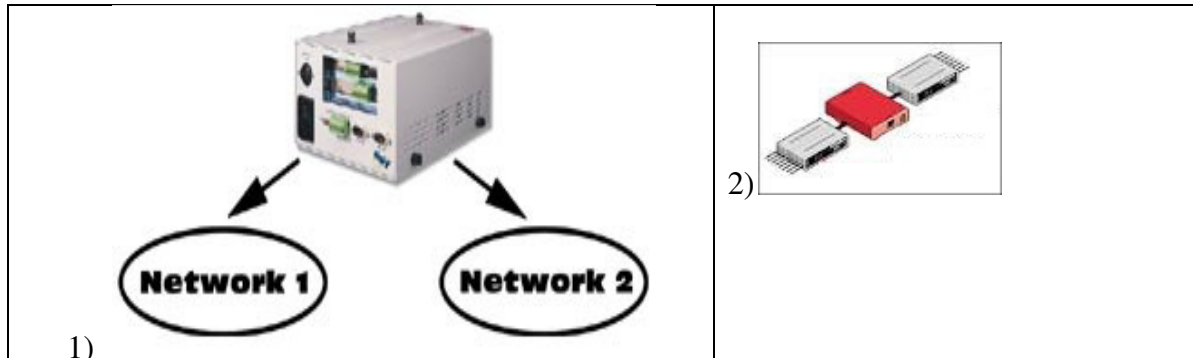
1. Name any two physical topologies.
2. What is meant by data transmission?
3. What is difference between?
a) A client and a node
4. What are repeaters?
5. Give one advantage for networking?
6. State one feature of Linux.
7. What is difference between?
a) Switch and NIC
8. What is the advantage of using bridge? (1 point)
9. What is print server?
10. Define network domain.

Q3.) Answer the following questions in two sentences each. (Any 10)

1. Write two features of Ring Topology. (2)
2. What are the EDI standards? (2)
3. Mention any two differences between the broadband and baseband cables. (2)
4. Explain star topology with the help of diagram. (2)
5. Give two points of difference between Wired and Wireless network. (2)
6. What is LAN? Mention 2 differences between LAN and WAN. (2)

7. What is a network topology? Mention any one type of topology. (2)

8. Identify the below diagrams and name them accordingly. (2)



9. Draw/sketch the following as given: (2)

a) Router

10. What is Peer to Peer networking with the help of the diagram? (2)

11. State and explain any one type of server.

12. Write a short note on Internet. (2)

13. Give advantages of hybrid topologies. (2 points) (2)

14. Differentiate between Web servers and Mail servers. (2 points) (2)
