

Text 11A

Task 1. Which of the sentences below are true and which of them are false? (Write T or F).

1. Increasing processing speed is the main idea of a computer network.
2. In a computer network the individual stations, called "nodes", may be computers, terminals, or communication units of various kinds.
3. The computers on a network may be linked through a communications network called a bus.
4. In addition to physically connecting computers and communication devices, a network system has the function of establishing a cohesive architecture that allows converting data as it passes between systems.
5. Ethernet and Token Ring are two popular network architectures used at present.
6. A local-area network is a computer network that covers a local area.
7. The size of a network dictates its physical structure.
8. The generally accepted maximum size for a LAN is 1 square mile.
9. A LAN typically includes two or more PCs, printers, CD-ROMs and high-capacity storage devices, called transfer points, which enable each computer on the network to access a common set of files.
10. A LAN is controlled by LAN operating system software.
11. LANs with similar architectures are linked by transfer points, called "nodes", and LANs with different architectures use "bridges" to convert data as it passes between systems.
12. A hub is used to make the connection between LANs.
13. A wide-area network is a computer network that covers a wide geographical area, involving a large number of gateways.
14. Computer networks may link the computers by means of cables, optical fibres, or satellites and modems.
15. Typically, WANs are used to connect LANs together.
16. Many WANs are built for one particular organization and are personal, others, built by Internet service providers, provide connections from a person's LAN to the Internet.
17. WANs are most often built of leased lines.
18. At each end of the leased line, a hub is used to connect to the LAN on one side and a modem within the WAN on the other.
19. The Internet is a collection of routers and bridges linking millions of computer users on a particular continent.
20. A protocol is system software that enables computers to access a set of common files.

Task 2. Complete the sentences by properly using the words given in brackets below.

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1. A computer network connects computers.
2. The may be linked by cables, telephone lines, radio waves, satellites, or infrared light beams.
3. By physically connecting computers and communication devices, a network system has the function of a cohesive architecture that _____ data transmission while using various equipment types.
4. A local-area network is a local _____.

5. The _____ of a network _____ its physical structure.

6. _____, there are two _____ wiring technologies for a LAN, Ethernet and Token Ring.

7. LAN users may also _____ wide-area networks.

8. Many WANs are built for one _____ organization and are private.

9. The Internet is a _____ of networks and gateways linking millions of computer users on _____ continents.

10. _____ the Internet, users can _____ a variety of information browsing _____ of buttons, highlighted text, or sophisticated searching software known as search engines.

Task 3: Match the columns in order to complete the definitions. (write a capital letter e.g. A ,without brackets) .

1. A **gateway** is an interface...
2. A **bridge** is a hardware and software combination...
3. A **backbone** is a network transmission path...
4. A **router** is a special computer...
5. A **network** is a number of computers and peripherals...
6. A **LAN** is a network...
7. A **server** is a powerful computer...
8. A **client** is a network computer...
9. A **thin client** is a simple computer...
10. A **hub** is an electronic device...

A) ...connecting computers over a small distance such as within a company.

B) ...directing messages when several networks are linked.

C) ...used for accessing a service on a server.

D) ...connecting all the data cabling in a network.

E) ...used to connect the same type of networks.

F) ...comprising a processor and memory, display, keyboard, mouse and hard drives only.

G) ...linked together.

H) ...enabling dissimilar networks to communicate.

I) ...handling major data traffic.

J) ...storing data shared by all the clients in the network.

