

St. Andrews Scots Sr. Sec. School

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Session: 2024-2025

Class: VIII

Subject: Computer

Topic: Ch-1 Answer Key

Checkpoint

1. Tick (✓) correct option:-

- a. Node
- b. MAN
- c. Intranet
- d. IP
- e. Simple Mail Transfer Protocol

2. Tick (✓) the correct statements and cross (X) the wrong ones:-

- a. X
- b. ✓
- c. ✓
- d. ✓
- e. ✓

4. Answer the following questions:

a. What is a protocol?

Ans. Protocol is a set of rules that governs the communication between computers on a network. Certain network protocols and standards are to be followed in order to ensure that your computer can communicate with other computers over a network.

b. Define client and server?

Ans. Client: It is a computer which depends on the server for all the resources.

Server: A server is also called host computer. It controls the access to hardware and software on the network. It provides a centralised storage area for the programs, data and information.

c. What is topology?

Ans. Topology refers to the geometric arrangement of computers or nodes in a network. The factors that determine the type of topology are cost, flexibility and reliability. Five different types of topologies are:

1. Bus Topology
2. Ring Topology
3. Star Topology
4. Tree Topology
5. Mesh Topology

d. What is Gateway?

Ans. A gateway device that allows data to flow between two different networks which may use different protocols. It collects data that is to be sent from one computer, converts it into small packets and then sends them to another computer.

e. What is a computer network? Write its advantages.

Ans. A computer network is a group of interconnected computer systems and other computing devices. There are different kinds of computer networks that work in different ways. Networks may be small and simple or they may be complex as a global network like the Internet. There may be wired or wireless connection between computers on the network.

The advantage of computer network are:

★ The information can be easily shared by people.