14.) Bluetooth devices and Wi-Fi router are the two devices which is used in data communication.

15.) Claude Shannon is known as the Father of Data Communications

23.) Applications which are using client/server architecture model are E-mail service providers, web browsers, companies providing banking services, cloud service providers etc. All these services we use every day works on client/server model.

25.) Two devices which is used in networking are Gateway and Router.

26.) PAN: It is the Information Technology device which serves an individual person or within a specific limited range user.

LAN: It is the series of devices connected and it connects the devices within a limited area.

MAN: It is the computer networks which connects devices within the large area. For example, a large city or town.

WAN: It is the largest and wide area network. It can connect to several LANS to provide the network to the user.

27.) Ethernet is the most popular local networking technology today.

28.) Ethernet use MAC address to forward frames

29 a.) It is a set of rules that allow devices to communicate on the Internet network.

29 b.) Vint Cerf and Bob kahn invented the TCP/IP protocol.