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9. Study & describe the following concepts in your words.
① Client   ② server   ③ communication   ④ Protocols
⑤ Ports   ⑥ Network

① Client :-

When we talk the word client, it means to talk of a person or an organization using a particular service similarly. In digital world a client is a computer (Host) i.e. capable of receiving information or using a particular service from the service provider.

② Server :-

When we talk about word server, it means a person or medium that serves something similarly. In this digital world a videos error is a remote computer which provide information (data) to access to particular services.

③ Communication :-

It provides transmission of verbal & non-verbal message. It consist of a sender, a receiver & channel of communication. In the process of transmitting message, the clarity of the messages may be distorted by what is often refers to as barriers.

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④ Protocols:-

A protocol is a set of rules & guidelines for communicating data. Rules are defined for each step & process during communication betn two or more computers. Networks have to follow those rules to successfully transmit data

⑤ Ports:-

Port is a communication end point. At the end s/w level, within an OS, a port is a logical construct that identified for combination by a 16 bit unsigned no. known as port no. The most common transport of protocols that use port no. are the Transmission control protocol (TCP) & User datagram protocol (UDP)

⑥ Network:-

A N/w consists of two or more computers that are linked in order to share resources (such as printers & CD's), exchange files or allow electronic comm. The computers on a n/w may be linked through cables, N/w telephone lines, microwave satellites or infrared light beams.
Two very common networks are:-
① Local area network (LAN)
② Wide area network (WAN)