Pl3 - Practical No. 1].

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or a computer hardware.

Servi

* Problem Statement 1].

Study and describe the following concepts in your words.

1] Client . -

A client is a piece of hardware or software that accesses a service made available by a server as part of the client-server model of computer networks.

The server is often (but not always) on another computer system in which case the client accesses the service by way of a network.

A client is a computer or a program that, as part of its operation relies on sending a request to another program

27. Server .-

device that provides a service to another computer program and its user also known as the client. In a data center the physical computer that a server program runs on his also frequently referred to as a server. That machine might be a dedicated server or it might be used for other purposes.

3. Communication . -

Communication is the process of expressing or transferring information like ideas views etc. by speaking briting and by the use of some other medium. Due to the development of computer networks it has become easy to communicate.

The transmission of data from one one computer to another or from one device to another. A communication devices, therefore is any machine that assists data transmission. For example - Moderns, Cables, and ports are all communication devices.

4]. Protocols. -

A protocol is a standard set of rules that allow electronic devices to communicate with each other. These rules include what type of data may be transmitted, what commands are used to send and receive data and how data transfers one confirmed.

same protocol, they can communicate with each other regardless of manufacturers or type of device. Protocols may be broken up into four categories.

- il. Link Loyer -> PPP, DSL, Wifi, etc.
- 21. Internet layer -> 1Pv4, 1Pv6, etc.
- 31. Transport layer -> TCP, UDP, etc.
- 47. Application Layer -> HTTP, IMAP, FTP, etc.

51. Ports -

In computer networking, a port is a communication endpoint. At the software level within an operating system, a port is a logical construct that identifies a specific process or a type of network service.

Ports are identified for each protocol and address combination by 16-bit unsigned numbers commonly known as port number.

The most common protocols that use port numbers are the il. Transmission Control Protocol [TCP].

iil. User Datagram Protocol [UDP].

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61. Network -

A network consists of two or more

computers that are linked in order to share

resources (such as printers and CDs) exchange

files or allow electronic communication.

The computers on network can be linked

through cables, telephone lines radio baves,

satellites, or infrared light beams. Computer

Networks help in information sharing resource

sharing exficient use of storage timely

communication erc. The different types of

computer networks are LAN MAN WAN

PAN CAN.