

## **LAB-- DISTRIBUTED SYSTEM (1)**

**ADMISSION NO: U19CS082**

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### **Ques 1 --What is TCP protocol?**

**Ans--** TCP(Transmission Control Protocol) is a connection oriented communication protocol which facilitate the exchange of message between computing device conneted over a network .

It is most common protocol in network that uses internet protocol (IP).

Together they most often referred to as TCP/IP.

It is desgined to send the packet across the network and ensure that successfull delivery of data and message over the network.

TCP is one of the basic standard thatdefine the rule of the internet and is included within Internet Engineering Task Force( IETF).

### **Ques 2-- What is UDP in network?**

**Ans--** UDP (User Datagram Protocol ) is simplest transport layer communication protocol available of the TCP/IP protocolsuite.

It involve minimum amount of communication mechanism.

UDP is said to be unreliable transport protocol but it uses IP service which provide best effort delivery mechanism.

In UDP , the reciever doest not generate an acknowledgement of packet recieved and in turn , sender does not wait for any acknowledgement of packet sent.

This shortcomings makes this protocol unreliable as well as easier on processing.

### **Ques 3-- Communication protocol involve in TCP/IP?**

**Ans--** communication protocol involved in TCP/IP include HTTP , FTP, Post Office Protocol 3, Simple Mail Transfer Protocol and Simple Management Protocol .

**Ques 4- Communication protocol involve in UDP?**

**Ans--** video conferencing , video streaming.

**Ques 5 – Difference between TCP/IP and UDP?**

TCP	UDP
1) It is connection oriented protocol	1) It connection less protocol
2)It assure reliable delivery of data to destination	2) It does not assure the reliable delivery of data to destination
3) It is comparatively slow because of these extensive error checking mechanism.	3) It is fast as it does not uses as such mechanism
4) Retransmission of lost packet is possible	4) Retransmission of lost packet is not possible.