2) The TCP/IP model Consists of five layers: the application layer, transport layer, network layer, data link layer and Bhysical layer.

The first four layers provide physical Standards, network interface, internetworking, and transport functions that correspond to the first four layers of the OSI model and there four layers are represented in TCP/IP model by a Single layer called the application layer.

TCP/IP is a hierarchical protocol made up of interactive modules, and each of them provides specific functionality.

network Main Protocall:

IP 2 I CMP

Sinternet control message forotocal excabilities message excabilities message with IP.

Ankil Paj 1 CN 1 1906534 3
3) Transport layer: Works Similar to transport layer of Os1 model.
ICP UDP Used for affin
(byte Stream without Sequence & flow control.
D'Application layer: Reshonsible for Node to node communications
use & interface. This layer bestome function of top 3 layer of OSI.
Difference) OSI VIS TCP/IP
1. Developed by ISO By ARPANET (intermational Standard Origination)
2. has 7 layers 4

5. Session to bossentation layers are part of ho such OSI layer

(ii) Client Sends a FIN Segment to

the Server with FIN bit set to I.

then the alient ellent enters the

PIN - WAIT : 1 State and waits

for a cknowledgement from the

Server.

After that it enter FIN-WAIT-2

State. NOW for terminating the

Connecting, server sends a RDFIN signant to the client with FIN bit Set to 1. And finally, client toer's UB 11/5 buffers and sends acknowledgement to the Servers And then the elient enders the TINL TIME -WAIT State.

- & Signification of TIME-WAIT Stale: > It allows the client to resend the Linal acknowlegment ; f; + gets lost.
- TIME_WAIT state defends on the inslementation.
- -D The typical values are 30 seconds, I min and 2 mln.
 - of After the wait 1 the Coune chion gets formally closed.

Significance of 2MSL Homeout:_ I All backets generated during the Justian of the Connection disablear from the network, that is to ensure that when at connection is estabisted the old aduptic ate Backets from the connection, are alrealy distribution of som the network.

Will Sulp Donast 7-ch. Stort Stop (5) -> Lora Rules Time-out & m2901