Assignment No. 2 write about OSI model in detail. Que-1-OSI Reference Model The OSI reference model is a seven-layered architecture and is designed in a highly structured way. Each layer in the functions and protocols. One layer may ils Interface. flowever, if we talk about communication between two machines one machine may communicate only with corresponding layer of other machine. The layers are such defined that changes in one layer do not require changes in the other layers. Various DSI layers are as follows: Application layer Presentation layer. Session layer Thousport layer Dato link layer · Mysical layer

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	OSI Reference Model -
	to develop common standards of network and itecture (a set of layers and protocols throughout the world.
	Application b Physical Session 4 Transport 2 Network 2 Data Link 1 Physical
	OSI Rescrence Model Tuterface: The passing of data and network information down possible by an interface between each pair of adjacent layer.
jk	functions of Layers:
1)	Physical Layer:-
•	Representation of Bits. Data rate
	Synchronization of blas Line Configuration
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	Plus la
2	Physical topology
W.	Transmission Made
* 7	Data 11.6 laves '=
	Data Link Layer:
	Francing
	Physical addressing
4	thous control
,	Eraon control
•	Access control
3)	Network layer:
	I soined addresses
	Logical addressing.
<u> </u>	Transport Layer:
,	Service point addressing
	Connection control
	Errah control
	ZILICHE CONGINAL
5)	Session Layer:
	O .
•	Dialog control
	Synchronization
41	0
	Presentation Layer:
,	Translation

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•	Snearhton						
•	Encayption Compression	1			1		
					1		
7)	Application	1 Layer:		· · · · · · · · · · · · · · · · · · ·			
	Mail Se						
•	file tran	sfer, access	0	nd managemen	t en		
	runote	computer.					
	Network	virtual ter	m	inal.			
•	Directory	services -	b	provide distr	ributed		
	database	access &	Pol	z global infor	mation.		
	1		-	V	· ·		
		bout TCP					
Aus -	TCP/IP uses the client-server model						
	luser requests and is provided a service						
	I user requests and es provided a service						
	by another computer in the network.						
	TCP/IP communication is point - to- point meaning each communication is from one.						
	point in the network to another point or host computer.						
	or host computer.						
		OSI		TCP/IP	1		
	7	Application		Application			
	6	Presendation		577	Not present		
	5	Session			K in the mode		
	ų	Transport		Transfort			
	3	Network	_ `	Internet			
	2	Data Link		Host-to-network			
	1	Physical		<u>i</u>			

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TCP/IP Model

* Description of TCP/IP Model:

TOP/IP model has only four layers:

1) flost - to - host Network layer -

This is the lowest layer in TCP/IP reference model. The host to

so that it can send the IP packets
over it. This protocol varies from host

to host and network to network.

2) Internet layer -

The task of the layer is to allow the host to insert packets into any network and then make them travel

independently to the destination.

3) Transport Layer -This is the layer above the

internet layer. Its function are same as those

of a transport layer on DSI layer. This layer allows the peur entitles tof the source and destination nachines to converse with

each other.