

Date: \_\_/\_\_/20\_\_

## Assignment No : 02 :

### Data Communication and Network:

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Question No: 01:

The problem statement is that what the user community demand from the computer industry is Intervender finds community, free of all the usual hacks and special bones that installation have become so accustomed to when incorporating new hardware into their existing system.

Question: 02:

A standard should be robust enough to meet the network need of user community and one which is flexible enough to adopt the constantly changing technology.

Answer NO: 03:

TCP/IP model was developed in late 1960's as a research project conducted by the United States department of defense and open systems



Inter-Connection OSI model was developed by international standards organization (ISO) in the mid 1970s.

### Question NO: 04:

In the "packet switched" model each node on the net only has direct connections to some number  $N$  of its geographical neighbours and as such can only communicate directly with these few hosts. Communication to any host other than these neighbours must take place indirectly with data being routed through some number of intermediate hosts.

### Question NO: 05:

It provides mechanism by which individual datagrams can be transmitted and received over the network.

Jmp does handle the repeating of certain low level errors.

Another function performed is that of datagram routing

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### Question NO : 06:

UDP is designed to provide the user with direct access to the service of the lower IP layer. Data transmitted via UDP functions are considered to be datagram and as much are guaranteed neither delivery nor correctness.

### Question NO : 07:

TCP create a Reliable transport mechanism that guaranteed the correct delivery of all data. TCP also provides connection base in "virtual circuit" communication to the hosts on the network.

### Question NO: 08:

the ultimate goal of ISO was to develop a standards that would reduce connectivity costs by increasing inter-vendor compatibility.

END

Assignment #02.