Assignment-II

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ASSIGNMENT - 2 :-

Date / /
Page No.

1) What is computer Network? What are its uses-

Answer: A computer network is a set of computers sharing resources located on or provided by network nodes.

A computer is a system that connects two or more computing devices for transmitting and sharing information.

It's uses are:
1) File sharing
2) Software cost & management
3) Text communication
4) Voice communication
5) Security (secure Data Access)
6) Resources sharing
7) Workgroup Computing

2) What are the layers of OSI model. Write use of each layer.

Answer: The layers of OSI model are:

1) Application
→ provides a user interface

2) Presentation
→ Presents Data
→ Handles encryption & decryption

3) Session

→ Maintains distinction between data of separate applications

→ provides dialog control between hosts

4) Transport

→ provides End-to-End Connections

→ provides reliable or unreliable delivery & flow control

5) Network

→ provides Logical Addressing

→ provides path determination using logical addressing

6) Data Link

→ provides media access & physical addressing

7) physical

→ Converts digital data so that it can be sent over the physical medium

→ Moves data between hosts

q) ~~Stimulal~~ Difference between OSI & TCPIP model.

OSI Model	TCPIP Model
1) Reference Model	→ Implementation of OSI Model
2) Theoritical Model	→ Model around which Internet is developed
3) Has 7 layers	→ Has only 4 layers
4) Stricter boundaries for the protocols	→ protocols are not strictly defined.
5) Vertical approach	→ Horizontal approach
6) Has separate session & presentation layer	→ Combines session & presentation layer in the application layer.
7) protocol Independent standard	→ protocol dependent standard