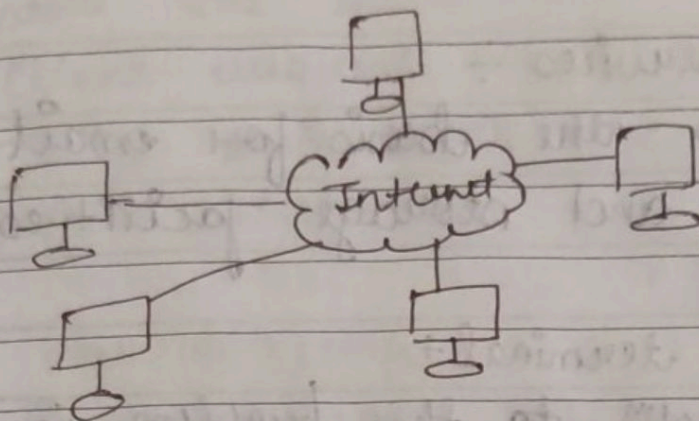


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- 1) a) Peer to peer computing is sharing of computer resources and services by direct exchange b/w systems



- b) Any nodes are both clients and servers
 - provides and consume data
 - Any node can initiate a connection
- c) No centralized data source

BitTorrent :- is a communication protocol for peer-to-peer file sharing, which enables users to distribute data and electronic files over internet in decentralized manner

- d) It takes stress of transferring large data files from one massive server to every user over an extremely robust network
- e) Seeds, Peers and Leeches

b) Services provided by Application Layer

i) Transport access and management:-
It allows a user to access, retrieve and manage file in remote computer.

ii) Mail services :-
It provides the basis for email forwarding and storage facilities.

iii) Virtual terminal :-
The OSI sol^m to this problem is to define a virtual terminal that is really just an abstract data structure.

iv) Directory services :- It helps in directory services.

v) Remote job entry :- It has a remote job entry services.

vi) Graphics :- Graphic images of ~~data~~ everything.

vii) Information communication :-
Helps in communicating and easy to understand.