

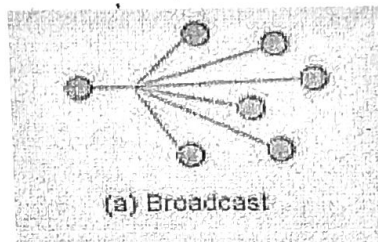
- Hybrid networks are: 'HAN, CAN, Intranet & extranet
- HAN is home area network that interconnects TV, DVD, PC, Laptop, Woven etc present in home
- CAN is campus area network that covers small geographical area such as school or college or university campus
- Intranet is a company's internal version of internet accessible to its employees only
- Extranet is a company's internal version of internet accessible to its employees & selected customers only

Q 3(b) Explain various types of computer network based on transmission technology

Types of Computer networks based on transmission technology

Computer networks are classified into 2 types based on transmission technology viz
1. Broad cast networks 2. Point – to – point networks

1. Broadcast networks



- Broadcasting is the simultaneous transmission of the same message to multiple recipients.
- Broadcasting is the process of simultaneous transmission of data packets to all machines present on network using a single communication channel
- In networking, broadcasting occurs when a transmitted data packet is received by all network devices
- Broadcast networks have a single communication channel that is shared by all the machines on the network.
- Short messages called packets are sent by any machine are received by all the others.
- An address field within the packet specifies the intended recipient. Upon receiving a packet, a machine checks the address field. If the packet is intended for the receiving machine, that machine processes the packet; if the packet is intended for some other machine, it is just ignored.
- Broadcast systems generally also allow the possibility of addressing a packet to all destinations by using a special code in the address field. When a packet with this code is transmitted, it is received and processed by every machine on the network. This mode of operation is called broadcasting.
- Some broadcast networks also support the transmission of packets to subnet of machines, this mode of operation is called multicasting
- Multicasting is process of sending the packets(messages) to a group of machines on the network