Q(1) Discuss the history of computer Networks? And A computer network is a group of computers that has the potential to transmit, succeive and exchange voice, data and video traffic. A network connection can be set up with the help of either cakle on wireless media. In modern times, computer networks are very important as information technology is incollying stapidly all over the would the network and data communication alle the eyential jactors to suite information technology in the world as technology's advancement is on the system, including the gadgets, ARPANET began the networking long ago. In 1957, when SPUTNIK satellite was launched by Russia. An agency named ADVANCED RESEARCH PROJECT AGENCY (ARPA) was started by America, and ell first satellike was launched within 18 months after establishment. Then they used ARPANET to shave the information on another computer. Then ARPANET came so India in 1969, & its name changed forom Indian to NETWORK. for the stimited states depositment of defense, the funding of the duign of the advanced Research Projects Agency Network (ARPANET) was began by ARPA. In 1969, the

network began to develop on the basis of the developed designs in the 1960s

Below use the complete history of computer Networking:

- e) 1961 In this year, leonard kleinrock proposed the easiliest computed nervous, which was the idea of ARPANET.
-) 1965: Donald Davies wined the team "packed" to describe how to send data b/w computers on a network
- 1) 1969: Although in 1966, the development of ARPANET began, officially stooded ARPANET in 1969. It was considered one of the first computer networks in which first two nodes, UCLA - 2 - SRI (Stangerd Regearch institute) were connected & to we packed switching. To hovide & define information about network protocols, procedures & computer communications, the first RFC surfaced as a document in special 1969.

On Aug 29, 1969, the first IMP & network switch were sent to UCLA. On ARPANET, the first data transmission was

bent by using it.

-) 1970 :- NCD, stands jour Netware core Protocal, sucleased by steve crocker & a team at UCLA for use with Network.
 -) 1971: The first-e-mail was sens to accept a network to others by Ray Tombinson
 - 1) 1973: while working at Xerrox PARC, Robert Merealfe developed the exherined in 1973. In this year, ARPA deployed the first in ternational network connection known as SATNET. VOIP technology & capabilities were introduced, which made a VOIP call. However, until 1995, soprouve was not available for users that could make volf calls.

- 1) 1974: Use of first rower was began been not considered thue It nowers.
- 1) 1976: originally called a gateway, Ginny Straziones develop the first true IP routes.

1) 1978: - TCP/IP protocol was invented & developed by

Bob Kam with the help from Vine Ceay.

e) 1981: - In US, b/w IBM mainfeame systems, BITNET was created in 1981 our a network. The US National Science foundation developed the CSNET (computer Service Networks)

·) 1983: - The first DNS implement by son Posted & Paul Mockapons in 1983.

·) 1986: 1 This is the year in which a backbone for ARPANET, the National Science foundation Network was came online, which finally took the place of ARPANET in 1990s. In the same year, with the original BITNET, BITNET II was entroduced to deal with boundwith eisues.

1) 1988: - The FIRST IT backbone was included with APPANET, AT&T, wond and NCR introduced the waveLAN network

technology in 1988.

2 1990: - The first network switch was developed & introduced by US Network hardware company.

1996: - IPVG was introduced as an improvement over

1997: - 802.11 standards, containing transmission speeds

up to 25 Mbps I for wisi were introduced.

·) 1999: - 802.11 a standards, contained transmission speed upto 25 Mbps to use the 54 Hz bands was made.

2003: - 802.11 g devices of transmission speed upto 20. maps were available to public, and wPA encryphion protocol is released.