

Extra Q.

1) What is IP address?

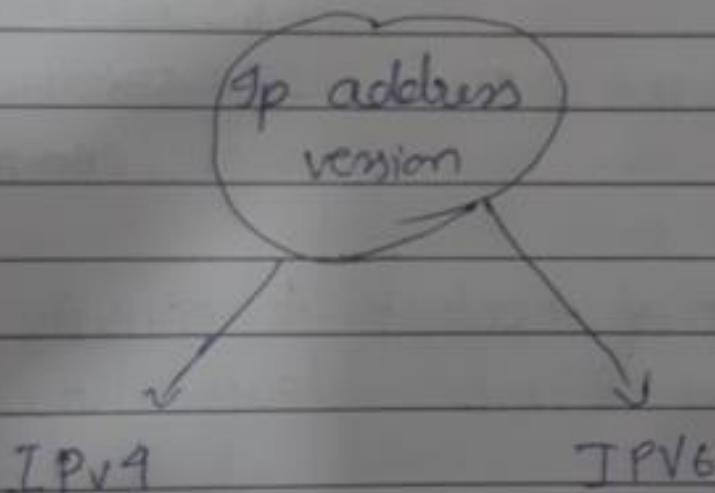
Ans:-

An IP address stands for "Internet protocol address".

An IP address is a unique number provided to each and every device.

It is in the form of a 4 integer number which is separated by dot (.).

Eg:- 192.168.243.120



13 Aug 21

④ IP4 & 6

IPv4

1) The length of IPv4 is 32 bit.

2) In IPv4, around 4 billion unique ip address are generated (2^{32})

3) The range of IPv4 address is 0 to 255

eg: 192.255.108.253

4) It consist of 4 octets each has 8 bits



5) IPv4 is a numeric address separated by (.)

6) IPv4 has total five class.

IPv6

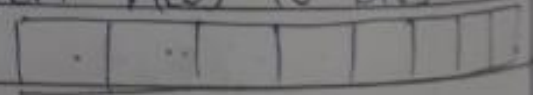
The length of IPv6 is 128 bit.

In IPv6, around 340 trillion unique ip address are generated (2^{128})

The range of IPv6 address is 0 to FFFF (65535).

2001:DB8:1904:FB83::100:
1751:CBH A10.

It consists 8 octets each has 16 bits



IPv6 is a alphanumeric number separated by (:)

It doesn't have any class.