Section - A (Any 5)

Que-1
a) B- channel carry information about core data. (yes/no)
b) Full form of ISDN.
c) HUB are intelligent switch. (yes/no)

Que-2 What is the role of NIC?

Que-3 What do you understand by cryptography?

Que-4 What is 802.11 standard?

Que-5 What are wifi and WiMAX?

Que-6 Write full form of MACA in networking.

Section - B

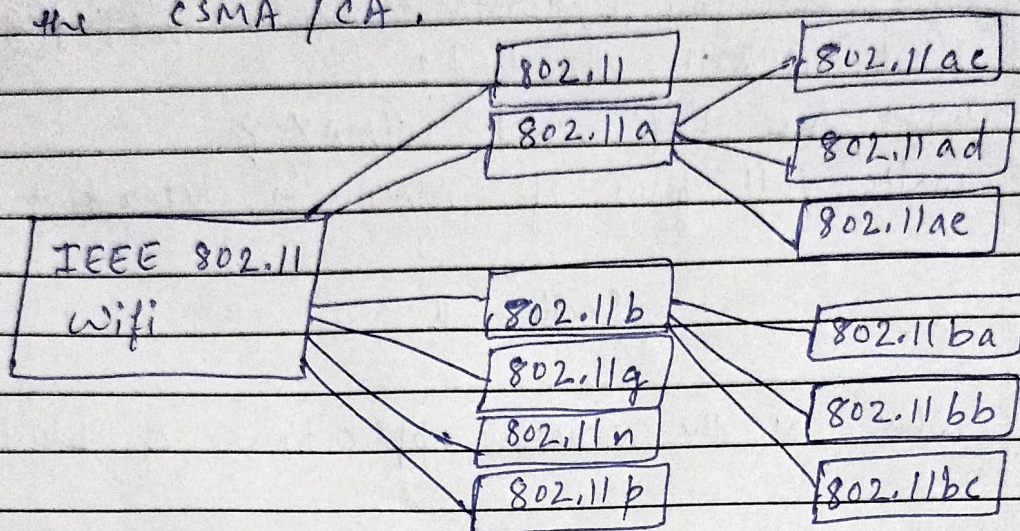**Que-7** What are the various applications of bluetooth?

or

Que-8 Define the following terms -

a) PING
b) IPCONFIG
c) IFCONFIG
d) NETSTAT
e) TRACE ROUTE

Answers -

Section - A

Ans-4   802.11 Standard -

This is the first wifi standard that came in 1997. There are many other standards of 802.11. All the standards uses the CSMA/CA.

Ans-5   Wifi :-

Wifi is WLAN or WPAN with which we can get rid of wires and enjoy high speed internet and share files in high speed.

- Wifi provides higher bandwidth.
- Wireless experience (no cable needed).
- We can connect many number of users to a wifi.

Ans-5 WiMAX – WiMax stands for World Wide Interoperability for Microwave & Access. It is a type of broadband wireless. It serves as a metropolitan area wireless network.

- It covers a huge distance.
- It can serve a large number of users.
- It comes for a moderate price.
- It consumes high power.

Ans-2 Role of NIC – (Network Interface Card)

The role of NIC is to provide network facilities to a computer. It is a hardware component that needs to be installed on a computer in order to have network facility.

- It is also known as Network Interface Adapter or Controller.
- NICs are of two types –
  i) Ethernet NIC
  ii) Wireless NIC

Ans-3 CRYPTOGRAPHY –

CRYPTOGRAPHY is the process of converting messages or data into some other form so that only the sender and receiver can understand it. This process secures the data from theft

or unintented attacks. This improves the security of transfer.

⇒ There are two types of cryptography :-

a) Symmetric key cryptography
b) Asymmetric key cryptography

Ans-1

a) No.
b) ISDN - Integrated Services Digital Network.
c) No.

Ans-6 MACA stands for Multiple Access with Collision Avoidance.

Section - B

Ans-7 Various applications of bluetooth are :-

i) Data transfer.
ii) Audio exchange over bluetooth.
iii) Data security.
iv) Data breaching or hacking.
v) Programming a bluetooth device and performing hacking operations using that.
vi) Phone calls via bluetooth headset.
vii) For controllers of game like and joystick.
viii) For toys like remote control cars, etc.
ix) Transferring contacts.
x) Used in wireless mic and keyboards.