



**Q.3. Answer the following. (Solve any 5) (10)**

1. Compare between IPv4 and IPv6.
2. State the advantages of the Internet.
3. List various pointing devices
4. What is the function of an Output Unit of a computer?
5. Convert following decimal numbers into binary  $(425)_{10} = (?)_2$
6. Give difference between impact and non impact printers.

**Q.4. Answer the following in detail. (Solve any 6) (30)**

1. Write a note on keyboard.
2. Explain NOR and NAND gates using truth table.
3. Explain layers of OSI reference Model
4. Write a note on scanners.
5. Write an algorithm and draw flowchart to perform addition of three numbers.
6. Explain what is LAN? State its advantages and disadvantages
7. Write a note on Repeater

**Q.5. Answer the following in detail. (Solve any 1) (10)**

1. What is an IP address? Explain the classes of it.
2. Define network topology. List different types of network topologies.

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