# (10 Marks)

18EC71

(06 Marks)

(06 Marks)

(08 Marks)

(06 Marks)

(08 Marks)

(06 Marks)

(10 Marks)

(04 Marks)

(06 Marks)

Max. Marks: 100

(04 Marks)

(06 Marks)

(10 Marks)

c. A block of address is granted to an organization. If the IP address of one of the host is 205.16.37.39/28, find the first address and last address in the block. (04 Marks)

OR

- What is distance vector routing? Explain the various drawbacks of distance vector routing and a few solutions to overcome the same. (10 Marks)
  - List and explain three forwarding techniques.

(06 Marks)

- Find the errors, if any, in the following IPV4 addresses:
  - 1) 111.56.045.78
  - 221.34.7.8.20 11)
  - 75.45.301.14 iii)
  - 11100010.23.14.67 iv)

(04 Marks)

USN

### Module-4

- 7 a. With a neat diagram, explain connection establishment, data transfer and connection termination in Transmission Control Protocol (TCP). (10 Marks)
  - b. Explain with a neat diagram Go-Back-N protocol.

## (10 Marks)

#### OR

- 8 a. Briefly explain TCP segment format. (10 Marks)
  - b. Write short notes on:
    - i) User Datagram Packet format (UDP)
    - ii) Features of TCP.

(10 Marks)

(10 Marks)

## Module-5

- 9 a. Explain two connections in FTP. (10 Marks)
  - b. With a general format, explain HTTP request and HTTP response messages.

## OR

- 10 a. Explain the persistent and non persistent connection of HTTP. (10 Marks)
  - b. Write short notes on:
    - i) DNS message format
    - ii) Local versus remote logging in telnet.

(10 Marks)

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