

- Q-5** **Attempt all questions** **(14)**
- a) Explain Leaky bucket algorithm. **(07)**
 - b) Write short note on DNS. **(07)**
- Q-6** **Attempt all questions** **(14)**
- a) Explain IPv4 datagram format and importance of each field. **(07)**
 - b) What do you mean by congestion and overflow? Explain the slow-start component of the TCP congestion-control algorithm **(07)**
- Q-7** **Attempt all questions** **(14)**
- a) Explain in detail X.25. **(07)**
 - b) What do you mean by guided transmission media? Enlist various guided media used for data transmission. Explain co-axial cable in detail. **(07)**
- Q-8** **Attempt all questions** **(14)**
- a) Give architectural overview of WWW. **(07)**
 - b) A bit stream 110101011 is transmitted using standard CRC method. The generator polynomial is x^4+x^1+1 .Show the actual bit string transmitted. **(07)**

