



7 a. Explain the various stages of RSA algorithm also show the encryption and decryption process for p = 3 q = 11 e = 7 M = 9.

b. With neat diagram, explain DES algorithm and Fiestel structure.

(10 Marks)

OR

8 a. Apply RSA and encrypt and decrypt the following a = 3 b = 11 e = 3 M = 9. (07 Marks)
b. Write a short note on firewalls. (05 Marks)
c. Explain Diffie Hellman key exchange protocol and prove that two keys K₁ and K₂ are equal. (08 Marks)

Module-

9 a. With neat diagram explain the working of CDN (Content Distribution Network).
b. With neat diagram, explain HTTP streaming.
c. Write a note on Audio and Video properties.
(07 Marks)
(06 Marks)

OR

a. With neat diagram, explain the Session Initiation Protocol (SIP) and call establishment process.
 b. Explain UDP and DASH streaming.