

OR

- 8 a. With a neat diagram explain public key cryptography. (08 Marks)
b. Explain in brief the Diffie Hellman key exchange algorithm. (05 Marks)
c. Write a note on elliptic curve arithmetic on the elliptic curve $E_{23}(1, 1) = P = (3, 10)$ and $Q(9, 7)$. Find : (i) $P + Q$ (ii) $2P$ (07 Marks)

Module-5

- 9 a. Explain linear feedback shift registers with necessary diagrams. (08 Marks)
b. Write a note on linear congruential generates. (06 Marks)
c. Explain the following with necessary diagrams:
(i) Generalized Geffe Generator
(ii) Threshold Generator (06 Marks)

OR

- 10 a. Explain the following with necessary diagrams:
(i) Self decimated generators
(ii) Gollmann cascade (10 Marks)
b. Write short notes on:
(i) NANOTEQ
(ii) RAMBOTAN
(iii) GIFFORD Algorithms (10 Marks)

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