Assignment 1

Roll No = 20p-0480.
Topic = S-DES.
Section = BSE-7A

Input = 10100101 Key = 0010010111

12 ey Generation Key 1 = 00101111 Key 2 = 11101010

Pro = 35274101986

Ps = 637485 107

Key 1 = 0 Key 1 = 0 Key 2 = 1 Enczyption :- P20 = - -7100 P8 = - TP = -Step 1 = 26314857

9 9

Step 3:-E/P @ K1 = 00000111

Step 4:

Py = 2431

= 100/ ROL

Switching. Step 5. =

> Right Left

1001

0100

0100

00

K2 =0010 1001 Step 6

Step 7

0110 1001

-7 Cyphertext Step 8

"Couption: -Ciphertext = 00/10/10 R=1001 RA K2 = 0010 100 Step3 = $R = \infty 10$ Step 4 = 0010 0100 1001 0100 (1) K1 = 0000 0111 R = 0110

Step 7 - P4 - R

R = 0110
L - L P R

= 0110
= 0111 6100

Step 8 = P-1

P' = 101 00101 -> Plaintext.