Name Sharif & Ci	
Roll P20-0/30  Date:	
- Section - 7A	
AES Example	
16-Bit plain text DE 110101110010100	
CO(0010101111111111111111111111111111111	1
Key 1 Generation	
W0=01001010	
W121/110101	
$w_2 = w_0 \times 00 \times 00000$	
W2 = W0 XOR 1000000 0 XOR SUBNIB (ROTNIB = 01001010 XOR 1000000	(44)
= 01001010 XOR 10000000 XOR SUBNIB (OFFINIS) = 011001010 XOR 0001011	$\alpha(III)$
21/01/101	
W32 W2 KORWI	
2110/1101 XOR 1/11 0/01	
200101000	
- Wes wo Kal attach	
WER WHYOLUS	blag
2 1000 0111 XOR 00101000	
= 10101/11	
Koz wow, 0/00/0/0/1/10/0/	
Veg 12 W2 W3 1101110100101000	
Megrz wg ws 100001111 0101111	
plain text XOR Key 3	///
= 110/011/0010 1000 x 02 0/00/01/01/	101
2/00/1/0//0//0/	

11.00	
	Round L:
	input 2 100 111014 0140 1
	input = 100 11101110110 1 Operent = 001011101110110
	200/0/11/0/11/0
e de la	= 00/0/11/0/11/0
	Mez 1 4
	4 1
	Car oxla
	1110 1110 = Soo Soy
	1110 1110
	810 S11
	S00 = 0010 XOR (9x1101)
	5102 (9x0010) XOR (1110)
	(M21110)
	5 07 21610 KOR (UX 1110)
	SU 21110 XOR (4XE)
	output 2 500' 510' 501' 511
	111 / 0110
	(mal round 06/100/11 00/1
	final round 00100100 11101100.
	Decryption
	0010 0100 11101100 KOR 10000 11110 10/11/1
	edd romer key = 00101010011011 KOR
ſ	1101 1101 5010 1000
	inverse
44.7	800 SO1
	S10 S11
	SII 2 x 0811 X 0R 9 x 00 11
	×
	z 11 00 p.T-0

Date: Dav: output = 60/0/110/11/011/0 Inverse Soft pow 00/0/11/0/11/0/11/0 Add pound long = 100/11/0/11/0/1 27 110101110010100 planteat = 11010111001010000.