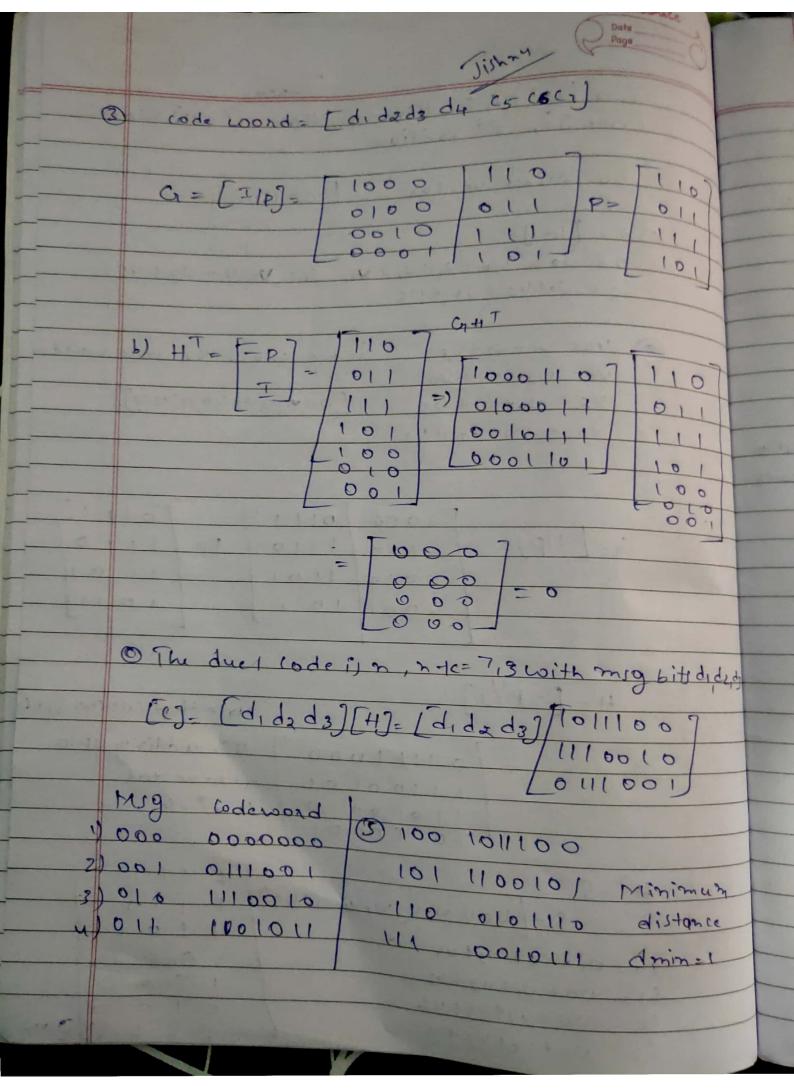
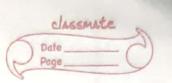
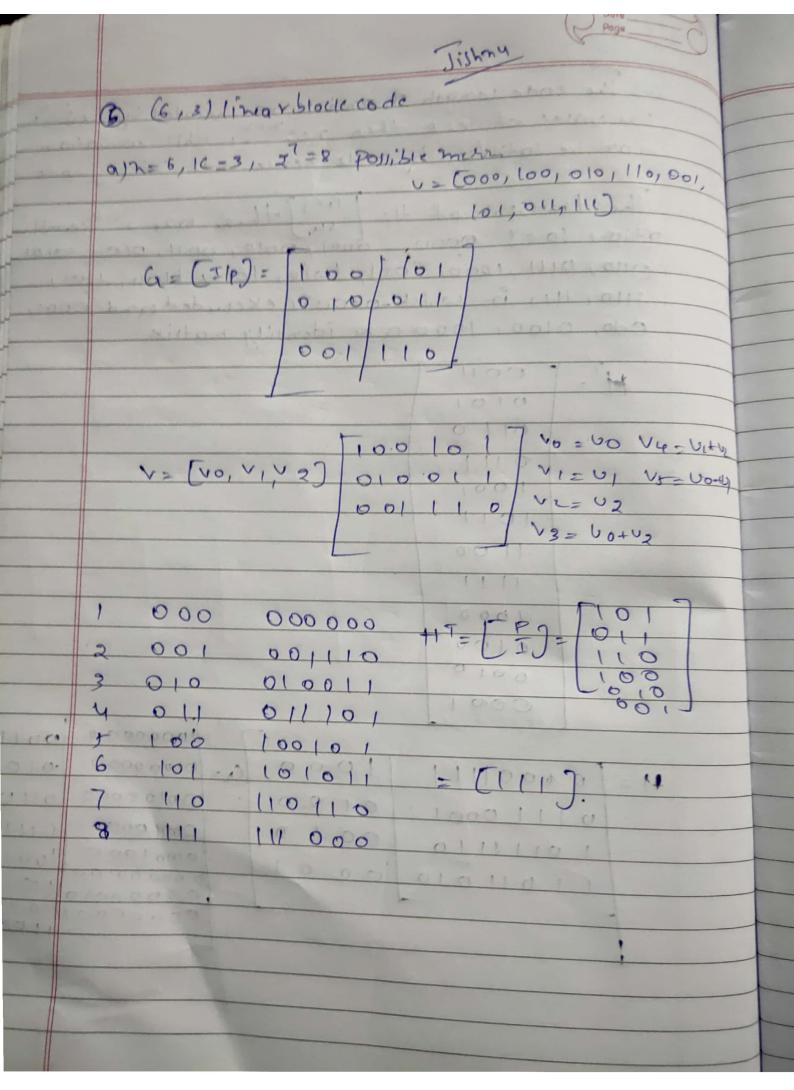
classmate Date 30 -04-20 M. Jishny Assignment - 2 Rolling 17309 of There will be total 24 code words = 16 uncoded bits coded bits | uncoded bits 1001 100/100 1010 1010010 0000 0000000 1010 1011001 0001 0001011 1100 1100 001 0010101 0010 1101010 1101 0011 00/11/10 1110100 1110 0100 0100110 0101 111/11/1 0101101 0110 0110011 01111 1000 1000111 G = [Ip] Vo = Vo V4 = V0 +01+02 VI = 41 V5: V01V1+U2 V2 = U2 V6 = U0+02+07 (00,0,0203) 000 101 011 100 0 0 10 00 101

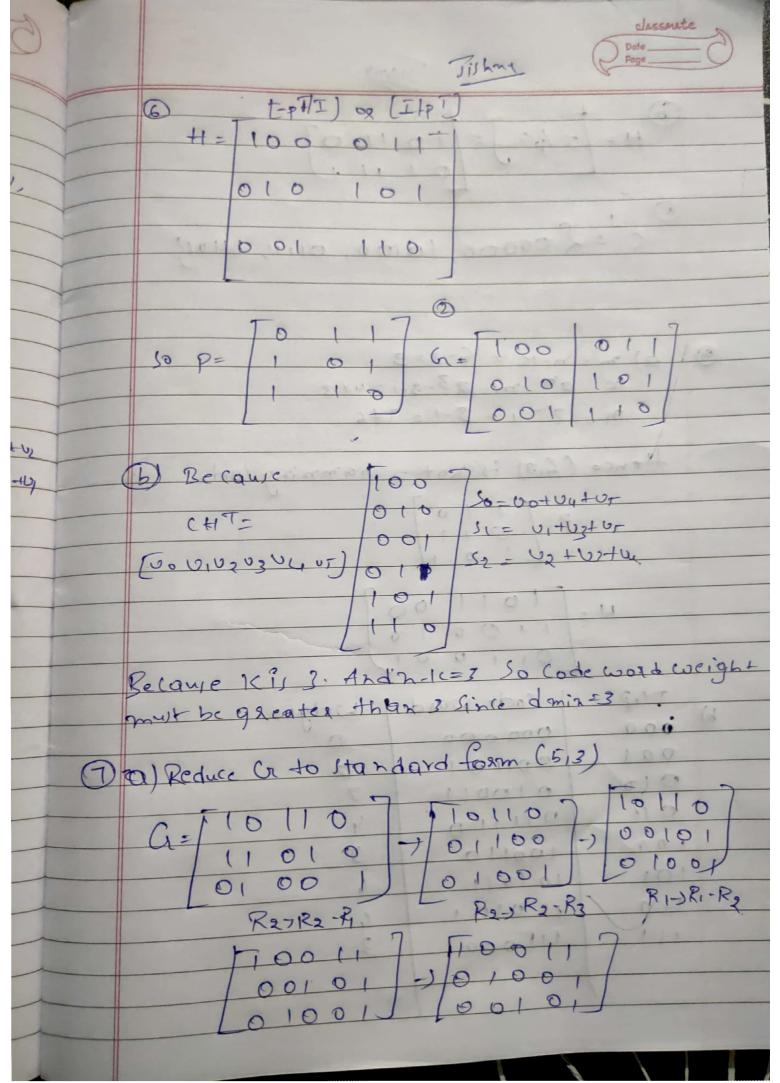
	classmate
	Jishny Date Page
	Since [181] ? ?
1	error il in 3rd Position of H matrix
1	
	So Correct vector is [1001100]
	OS = [10]
	08 50 = 00 +0, +02 + 0; S1 = V0+0, +03 + 05
	S2 = V0+V2+V3+V6
	3. Vo= U1+U2+U3 So we know the code word=
	V(= 'U2+01+00 V2=00+01+53 [[00 V102 03 V0 V1 V2 V3]
-	
	V3 = 20+02 + U3
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
777	1000 /01117 F01117
	G=[1P]= 0100 1110 P= 110
	0010 1101 1101
	00011011 1011
11.6.6.	some dies Estat a jabor som with
	4-1-2/77
	Mote that co wmn 3/4/6:
	= [0] 1111000] qq adding upto
	11100100 desovector
	11010010 104 = 6
	0011110010001
	#T=S 010011 101 101 101 101
100	8= 10001020304050602) 1110
and and	30=01+02+03+04
	C1 = V0 + V1 + V2 + V1
	12 = U0 + U1 + U3 + U6
	S3= votv2+v3+v7. [000 60] 2x4

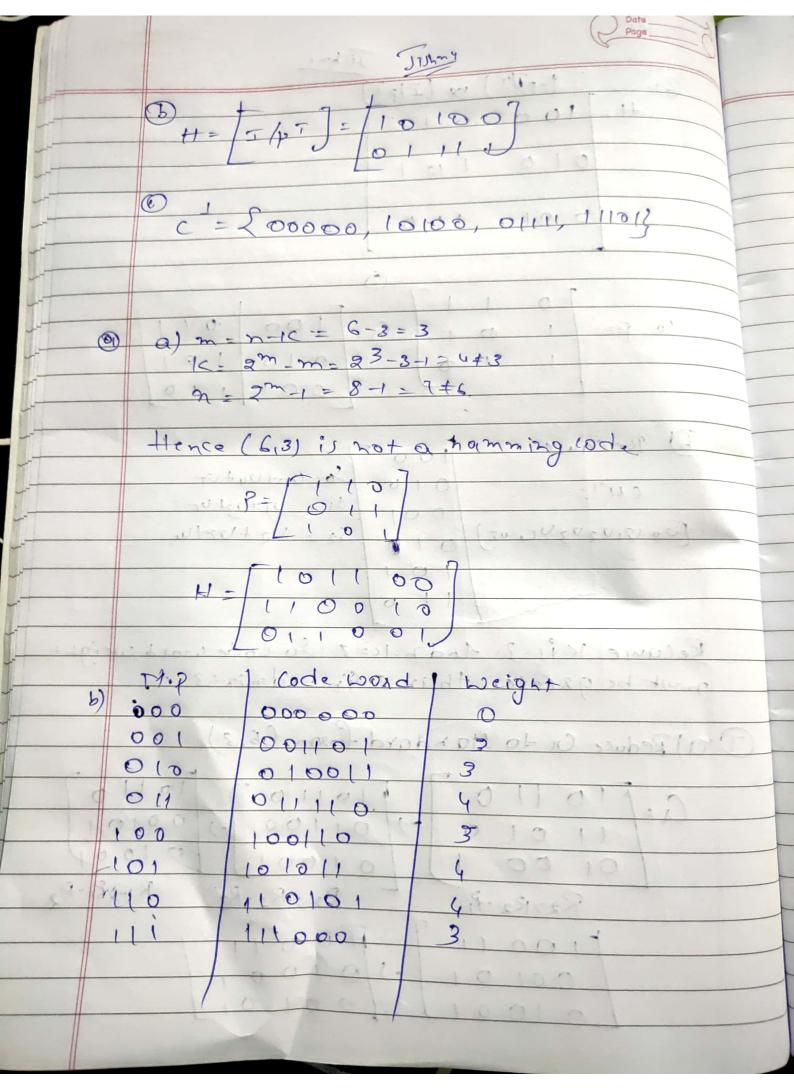




	Proge
	W The code length on and is as sampled him and
	The value of 10=8 than neand 1 of this convation
	can be satisfied by n=12 hence it is [12,8] code
199	ASSERTED TO THE PROPERTY OF TH
	The transpose of H- [Poxy] there are 2 - Krombin- ation, so 24 0000, 0001, 0010, 0011, 0100, 0101,
	ation 1024 0000, 0001, 0010, 0011, 0100, 0101,
	0110,0111,1000, 2001, 1010, 1011, 1100, 1101,
	1110/11/1 in which 0000 () excluded and 0001,
	Odo, 0100, 1000 a re identity matrix.
	17 10011
	0101
	,0110
1 1 1 1	0111
1000	1001
	1011
	1100
	1000 000000 000 1
	0100 01100
	0010
-	0001
	10000000 0011
	H = 0 000 111-1 1000 a= 01.00000 -0101
	01110001 01100 00000 0110
	10111110 00601 00010000 0111
	1 1 0 11 0 10 00 0 0 0 0 0 0 0 0 0 0 0
	00000001011
	1100







Classmate Date
Jishny Page
Odmin=3 from Orbove topble c= dim-1=2 - Wence (619) linear block code can detect.
2 bit casoss and correct 1 bit error
(d) So = vo -log to; S1 = votus toy S2 = v1-to2 to4
deceding touble S=+17 TILOT
deceding toble S=+11 110 [111001] 01
000000 000 100 100
1000000 110
010000 011 3= [001]
000100 100 e= [00000] 000010 010. c= r+e= [111001]+ [00000]
000001 001 = [11000]