

Duicii.	Koll No :	
Name :		
Course: 1tc		
Experiment / a	ssignment / tutorial No.	
Grade:	Signature of the Faculty	with c

	Man A - And Mail
	Name - Arga Nair
	Betch - A2
	Roll Number 1 000 1010
	Ite rut 4
	to add acord about acer
Q2)	cyclic code properties are in they are error detecting rodes in linearity - combination of two code words
	i) they give eller the tra cade vords
	must be equal to another code word  nii) Cyclic shifting- It we shift each bit  of a cyclic code it would result in
	must be equal to another each bit
	111) Cyclic shifting It it would cocult in
	of a cyclic code 16 sugar 10,900
	iv) they are used for error assection
	iv) They are used 401 cris
φ <u>(</u> )	b) Message [00]
412	b) Message $[0\ 0]$ $\chi^3\chi^2\chi'\chi'$
	$M(a) = \chi^3 + 1$
	2-7 2-04
*	g = n-K
	9 = n - K -7 - 4 = 3
	$a(x) = \chi^3(\chi^3 + 1)$
	$= \chi^6 + \chi^3$
	$b(x) = a(x) = x^{\ell} + x^{3}$
	$9(x)$ $x^3+x^2+1$
1	

23+22+2 22+ x2+1 (a) = 2000 16 Coderard = 1001:0010 1001:010  $M(a) = x^3 + x + 1$ 1=7 K=4 a(a)= x3(a3+x+1) = x6+x4+x3  $\frac{b(a)-a(a)-n^6+n^4+n^3}{g(n)-n^3+n+1}$ 



Batch:	Roll No.:
Name : 1	CA Nair
Course :	
Experiment /	assignment / tutorial No
Grade:	Signature of the Faculty with date

	Grade: Signature of the Faculty with date
	b(x) = 213+ 2201/26 ext + x3
	0x6+25+x3
	$\frac{x_{5+x_{7}}}{x_{5+x_{7}}}$
	212
	Ctx)= x8
	Remainder = 22
	Coderord - 1011:100
QI)	
9/1)	a) $g(x) = 1 + x^2 + x^3$
	Greneralor Natrix = [I:P]
	$\frac{\chi^{3}g(a)}{1}$ 1 0 1 0 0 0 7
	2-9(2) 0 1 1 0 1
	$\frac{\chi_{g(a)}(0)}{g(a)(0)} = 0$
	9111 0 1 ]
	7 4 8 2 7
	ze z titot