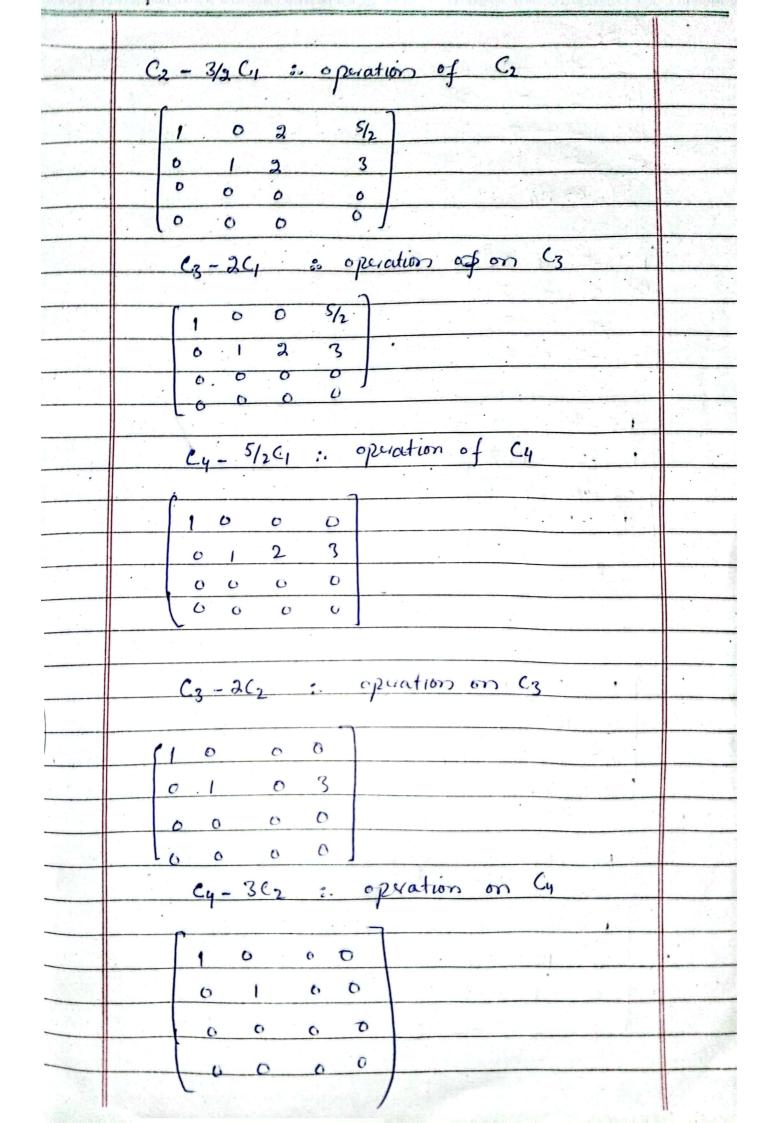
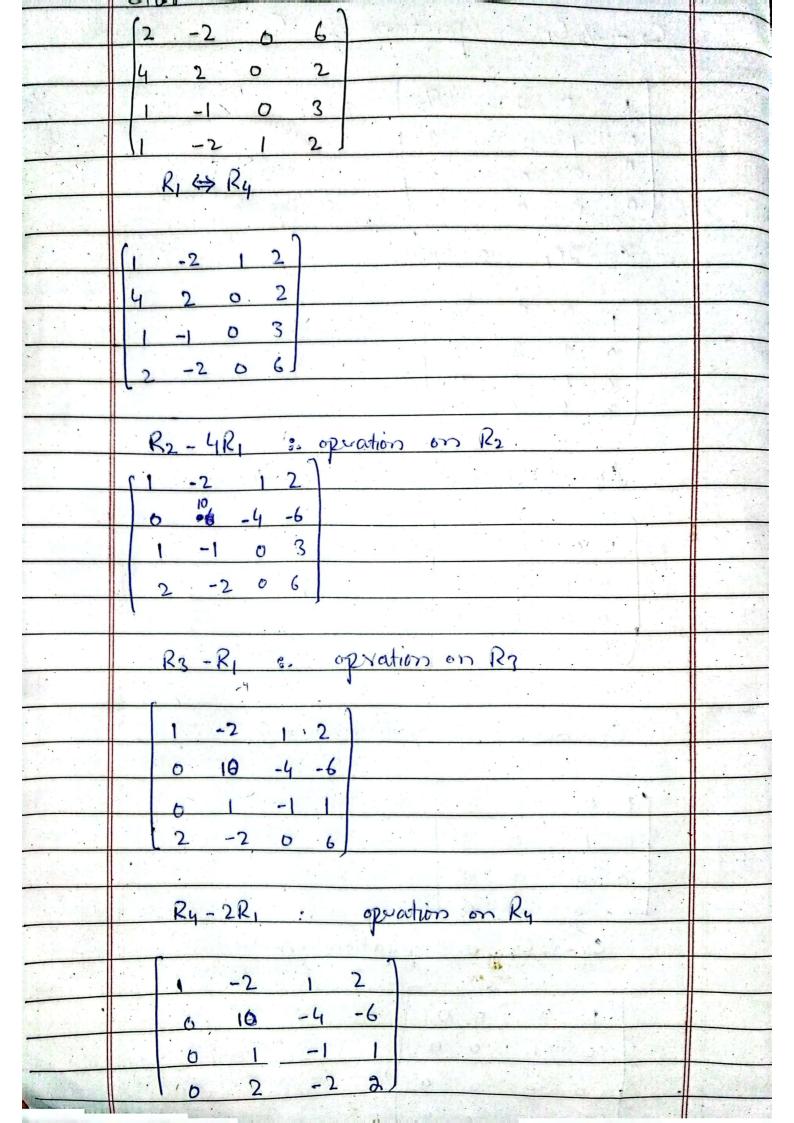
	TYAME:	
	ABDULLAH SAEED	
	Breg No: 20PMCSE 1920	
	BUBJECT:	
	Control System	
	J. J	
	Q1:- Convert into Normal Jorn.	
	[2 3 45]	
	3 4 5 6	
	4 5 6 7	
	[9 10 11 12]	
	Sivide Rs by 2	
	3 4 5 6	
	4 5 6 7	
	9 10 11 12	
	3R1-R2 : operation on R2	14/ •
	0 0.5 1 1.5	
	4 5 6 7	
	9 10 11 12	
	e e	
	4R, -R3 : operation on R3	
•	0 05 1 15	
	0 1 2 3	
	9 10 11 12	
	9R1-Ry : operation on Ry	

1 15 2 2.5	
0 0.5 1 1.5	
0 1 2 3	
0 3.5 7 10.5	
Multipy R2 by 2 & Reportivide R4 by	y 3-5
1 1.5 2 2.5]	
0 1 2 3	
0 1 2 3	
0 1 2 3	
R2-R3 : operation on R3	
1 1.5 2 2.57	
0 1 2 3	
0 0 0 0	
0 1 2 3	
R2-Ry : operation on R4	
[1 1.5 2 2.5]	
0 1 2 3	
0 0 0 0	3
oR 2	
1 3/2 2 5/2	
0 1 2 3	
0 0 0 0	
0 0 0 0	
This is reduced - you echelon form	
8 The rank is 2	
9 1100	





$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Kg \R	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1-2-1-2	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		0 6 -4 -6	1.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$\begin{bmatrix} 1 & -2 & 1 & 2 \end{bmatrix}$	A. Care
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		6 1 -1 1	1
R3-10R2: operation on R3		0 10 -4 -6	
R3-10R2: operation on R3		0 2 -2 2	
$ \begin{bmatrix} $			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		R2 -10R2 is operation on R3	
Ry-2R2: operation on Ry Ry-2R2: operation on Ry 1 -2 1 2 0 1 -1 1 0 0 6 -16 0 0 0 0 divide Rz by 6 1 -2 1 2 0 1 -1 1 0 0 1 -6/6 0 0 0 0			
Ry-2R2: operation on Ry Ry-2R2: operation on Ry 1 -2 1 2 0 1 -1 1 0 0 6 -16 0 0 0 0 divide Rz by 6 1 -2 1 2 0 1 -1 1 0 0 1 -6/6 0 0 0 0.			
R4-2R2: apration on Ry 1 -2 1 2 0 1 -1 1 0 0 6 -16 0 0 0 0 divide R2 by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0	, , ,		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		4 4	
Ry-2R2: operation on Ry			
1 -2 1 2 0 1 -1 1 0 0 6 -16 0 0 0 0 divide R3 by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0		(6. 2 - 2 -)	
1 -2 1 2 0 1 -1 1 0 0 6 -16 0 0 0 0 divide R3 by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0		Pr. 2Pr. : soughting an Pr.	
0 1 -1 1 0 0 6 -16 0 0 0 0 divide R ₂ by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0		19-212 . godolos on ky	
0 1 -1 1 0 0 6 -16 0 0 0 0 divide R ₃ by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0		[1 -2 1 2]	
0 0 6 -16 0 0 0 0 divide Rz by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0	1.67	The state of the s	
divide R ₃ by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0	14.6	1 11	
divide R3 by 6 1 -2 1 2 0 1 -1 1 0 0 1 -16/6 0 0 0 0			MA I
0 1 -1 1 0 0 1 -16/6 0 0 0			
0 1 -1 1 0 0 1 -16/6 0 0 0		divide Rz by 6	
0 1 -1 1 0 0 1 -16/6			
00000		1 -2 1 2	
00000			
			Tax sales
			X
77. 4			
11 11 11 11 11 11 11 11 11 11 11 11 11			
This is The reduced Kow echelon form.		This is the reduced Row echelon form.	