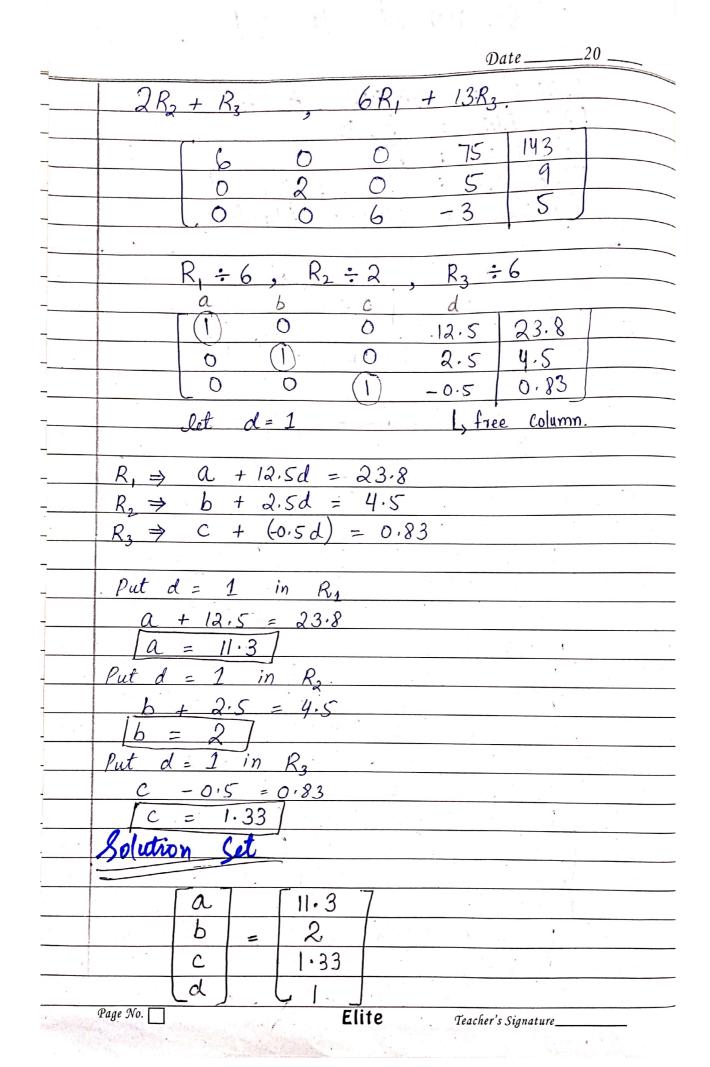
Assignment # 01

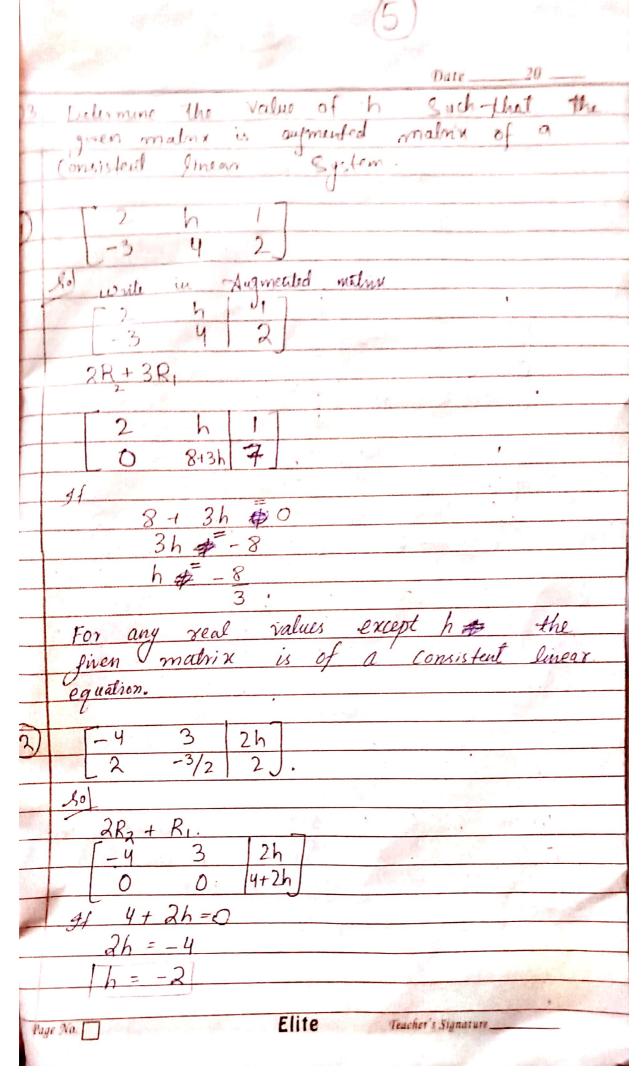
	Date20
	NAME : AHSAN SATJAD
	PROGRAM: BSE
	CECTION: 2B
	ENR NO: 02-131212-049
	Subject: Linear Algebra.
	at at at
61	Find the Solution Sel of the given system of
	Find the Solution Set of the given System of eq by gauss Jordon method.
	$\chi_1 - 5\chi_2 + 2\chi_3 - \chi_4 = 3$
	$-2x_{1} + 10x_{2} + 2x_{3} - x_{4} = -1$ $x_{2} - 3x_{3} + 4x_{4} = 2$
	1/2 - 3/13 1 9 x y = 2.
	you Augmented form
	With in Augmented form.
	1 -5 2 -1 3
	-2 10 2 -1 -1
	0 1 -3 4 2
	$R_0 + 2R_1$
	(1 -5 2 -1 3
5	0 0 6 -3 +5
	0 1 -3 4 2
	R2 000 elimentary method).
	1 -5 2 -1 3
	0 1 -3 4 2
	LOO 6 -3 5 J -1+10'
	$\frac{R_1 + SR_2}{S}$
-	1 0 -13 19 13
	0 -3 4 2
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Q2 Solve the given circut by Row (gauss elimination) form	el e cholon
(gaus) elimination) form.	
J WENT	
EKY 6KY	
6V 3	\$ 15KV
9 K S T 3 K S I 3	7 12 5 3 4
2	
The state of the s	
$10I_1 + 0 - 6I_3 = 6$	
$0 + 19I_{2} - 3I_{3} = 6$ $-6I_{1} - 3I_{2} + 21I_{3} = 0$	
$\frac{-61}{1} - 31 + \alpha 1 = 3$	
cevite in Augmented form	V 4 1
10 .0 -6 6	
0 12 -3 6	
-6 -3 21 0	
$R_1 \div 2$, $R_2 \div 3$, $R_3 \div$.3
(5 0 -3 3]	- ,
1 1 2	
0 4 -1 2 -2 -1 7 0 -2 -1 7 0 -2 -1 -2 -2	•
5R ₃ + 2R ₁	
S N3 1 A'N	
(5) 0 -3 3	
0 4 -1 2	-
LO -5 29 6 J	
Page No Elite Teach	er's Signature

__20 _

Date_





	Date20
	when value of h is -2 The System is of linear Combination othewise the System.
	of linear Combination otherwise the System
	is not of linear combination
(T)11	
94	For what value of "h" the given y
	is a linear Combination of b, b, bs.
	[1 -3 1 h]
	2
	$\begin{bmatrix} -2 & 6 & -2 & 2 \\ -3 & 0 & 5 & 3 \end{bmatrix}$
	$R_2 + 2R_1$ and $R_3 + 3R_1$
	No wild Reg JA
	1 -3 1 h
	0 0 0 2+2h
- 2	$[0 -9 2]{3+3h}$
	R_2 <> R_3 (Row olimentary method)
-	
August 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	0 0 0 2+2h
	for
A TOP	2+2h=0
All the second	2h = -2
97	h=-1
Sept.	when h=-1 The System is a linear Combination
4.	when h=-1 The System is a linear Combination and for all other values of h the System
	is not of linear Combination.
77.5TA	
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