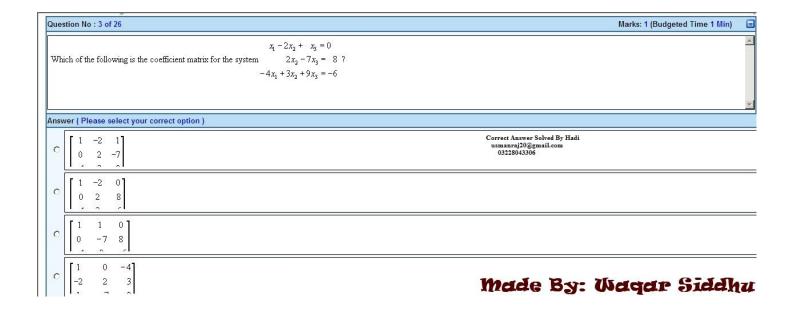
Qu	estion No : 1 of 26	Marks: 1 (Budgeted Time 1 Min)
7	7x is an algebraic term in which 7 is a and x is a	Δ.
L		<u>x</u>
An	swer (Please select your correct option)	
c	term, expression	
c	coefficient, variable	Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306
c	variable, coefficient	
c	numerical, alphabet	made By: Waqar Siddhu

(Ques	Marks: 1 (Budgeted Time 1 Min)	0
	9 <i>x</i> ²	+3x+4 is	4
			7
1	Answ	ver (Please select your correct option)	
	0	an equation	
	O	a term	
	О	an algebraic expression	
	О	quadratic equation Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306 Made By: Waqar Siddha	u



Qu	estion No: 4 of 26	Marks: 1 (Budgeted Time 1 Min)	
Tv	wo simultaneous linear equations in two variables have no solution if their corresponding lines are		4
0	Disease and an account and an a		7
Ans	swer (Please select your correct option)		
c	parallel and distinct	Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306	
c	intersecting		
	coincident		=
			=
С	perpendicular	made By: Waqar Siddhi	Ų.

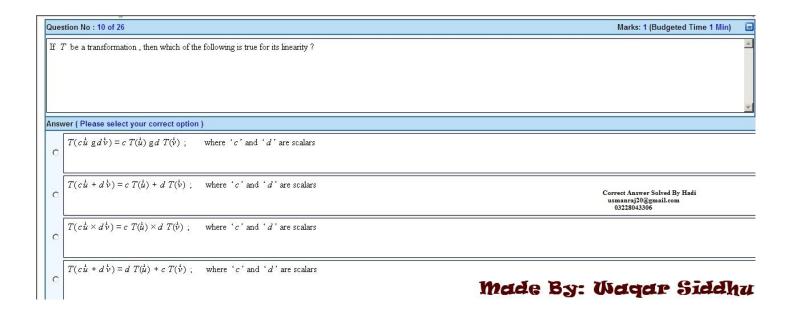
Que	estion No : 5 of 26	Marks: 1 (Budgeted Time 1 I	Min) 🔳
Ifr	reduced echelon form of a linear system is $\begin{bmatrix} 1 & 0 & 5 & 5 \\ 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 0 \end{bmatrix}$ when free variable $x_3 = 0$, then which of the following is true for it?		2
			$\overline{\mathbf{v}}$
Ans	wer (Please select your correct option)		
С	The particular solution is (0, 5, 6).		
c	The particular solution is (6, 5, 0).		
c	us	rect Answer Solved By Hadi manraj20@gmail.com 03228043306	
С	The particular solution is (0, 6, 5). Made By:	Waqar Side	Thu

Que	stion No : 6 of 26	Marks: 1 (Budgeted Time 1 Min)
If 2	I is an $m \times n$ matrix and $Ax = b$ has a solution then which of the following is true?	
Ansv	ver (Please select your correct option)	
c	A has a pivot position in every row.	Correct Answer Solved By Hadi usmanraj⊅@gmail.com 03228043306
c	$\det(A) = 0.$	
o	Echelon form of A has at least one row of zeros.	
С	$b \notin Span(a_1, a_2,, a_n).$	made By: Waqar Siddhu

Que	estion No : 7 of 26	Marks: 1 (Budgeted Time 1 Min)	=
If	a homogeneous system $Ax = 0$ has a trivial solution, then which of the following is (are) the value(s) of the vector x ?		A
Ans	swer (Please select your correct option)		
0	-1		
0		orrect Answer Solved By Hadi usmanraj20@gmail.com 03228043306	
0			
О	made by: We	aqar Siddh	174

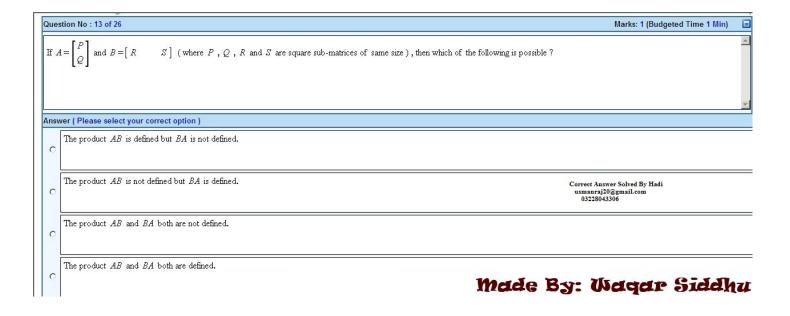
Que	estion No : 8 of 26	Marks: 1 (Budgeted Time 1 Min)	
If	$T: \mathbb{R}^n \to \mathbb{R}^m$ be a linear transformation defined by $T(x) = Ax$ (for all $x \in \mathbb{R}^n$), then which of the following is true for A ?		4
			7
Ans	wer (Please select your correct option)		
o	A is a singular matrix.		
0	A is a square matrix.		
c	A is a unique manix.	nswer Solved By Hadi aj20@gmail.com 043306	
c	A is not a unique matrix. Made By:	Waqar Siddh	U

Qu	estion No : 9 of 26 Marks: 1 (Budgeted Time 1 Min)	
W	Thich of the following is true for the linear operator L defined by $L\begin{pmatrix} a_1 \\ a_2 \end{pmatrix} = \begin{bmatrix} a_1 \\ -a_2 \end{bmatrix}$?	A
		-
An	swer (Please select your correct option)	
c	It is an enlargement by a negative scale factor.	
c	It is a shear.	
c	It is a reflection about $X-axis$. Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306	
c	It is a reflection about Y - axis. Made By: Wagar Sidaly	[U



Qu	stion No : 11 of 26 Marks: 1 (I	Budgeted Time 1 Min)
If	$A = \begin{bmatrix} 2 & 1 \\ 4 & 3 \end{bmatrix} \text{ and } B = \begin{bmatrix} 1+1 & 2-1 \\ 2+2 & 4-1 \end{bmatrix}, \text{ then which of the following is true for } A \text{ and } B ?$	
		×
Ans	ver (Please select your correct option)	
С	A and B are equal matrices.	mail.com
C	A is the transpose of B .	
c	B is the transpose of A .	
С	B is the multiplicative inverse of A. Made By: Waqa	ır Siddhu

Qı	estion No : 12 of 26	Marks: 1 (Budgeted Time 1 Min)	•
v	hat is the maximum possible number of pivots in a 6×6 matrix ?		A
Δι	wer (Please select your correct option)		V
(
6	4.		
(6.	Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306	
(made By	: Waqar Siddl	hu



Q	uestion No : 14 of 26	Marks: 1 (Budgeted Time 1 Min)	•
1	Which of the following is true for the matrix $A = \begin{bmatrix} A_{11} & A_{12} & A_{13} \\ O & A_{22} & A_{23} \\ O & O & A_{33} \end{bmatrix}$; where A_{11} , A_{22} and A_{33} are square sub-matrices, and 'O' is a zero sub-matrices.	o-matrix ?	4
			7
А	nswer (Please select your correct option)		
		orrect Answer Solved By Hadi usmanraj20@gmail.com 03228043306	
	It is a block lower triangular matrix.		
	It is diagonal-constant matrix.		
	It is a Null matrix. Made Ba	: Waqar Siddl	171

Qu	uestion No : 15 of 26	Marks: 1 (Budgeted Time 1 Min)	0
If	${ m f}$ a matrix A is factorized into lower and upper triangular matrices , then which of the following is true for the matrix ?		A
			7
An	nswer (Please select your correct option)		
C	C It is called an LU -procedure.		
c	It is called an LU -decomposition.	Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306	
d	It is called an LU -matrices.		
c	It is called an LU-algorithm.	ade By: Waqar Siddh	u

Qı	sestion No : 16 of 26	Marks: 1 (Budgeted Time 1 Min)
I	$A = \begin{bmatrix} 2 & 3 \\ 4 & 5 \end{bmatrix}$, then which of the following is the minor of entry a_{21} ?	_
		F
Ar	swer (Please select your correct option)	
(
6	3	Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306
	4	
(made By:	: Waqar Siddhu

Qu	estion No : 17 of 26	Marks: 1 (Budgeted Time 1 Min)
V	Thich of the following is true for the coefficient matrix in the Cramer's Rule ?	
Δ.	swer (Please select your correct option)	
All	•	
c	It must be invertible.	Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306
c	It must be singular .	
	It may or may not be invertible .	
	It may or may not be non - singular .	
'		Made By: Waqar Siddhu

Q	(ues	stion No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)	•
]	Ifa	set $\mathbb W$ be a subspace of a vector space $\mathcal V$, then which of the following is NOT true for it ?	A
L			7
А	nsv	ver (Please select your correct option)	
300	0	It must be closed under the scalar multiplication .	
7	0	It may or may not be closed under the operation of addition . Correct Answer Solved By Hadi usmanraj20@gmail.com 03228043306	
	c	It must have an additive inverse of each element.	
	C	It must be commutative under the operation of addition. Made By: Wagar Siddly	U

Question No : 19 of 26	Marks: 1 (Budgeted Time 1 Min)
If the set $V = \{0, 1, 2, 3\}$, then which of the following is true for it?	_
	option 3 or 4
Answer (Please select your correct option)	<u> </u>
It is closed under operation of addition.	
It is a vector space .	
It is commutative under operation of addition .	
It has an additive inverse of each element.	made By: Waqar Siddhu

