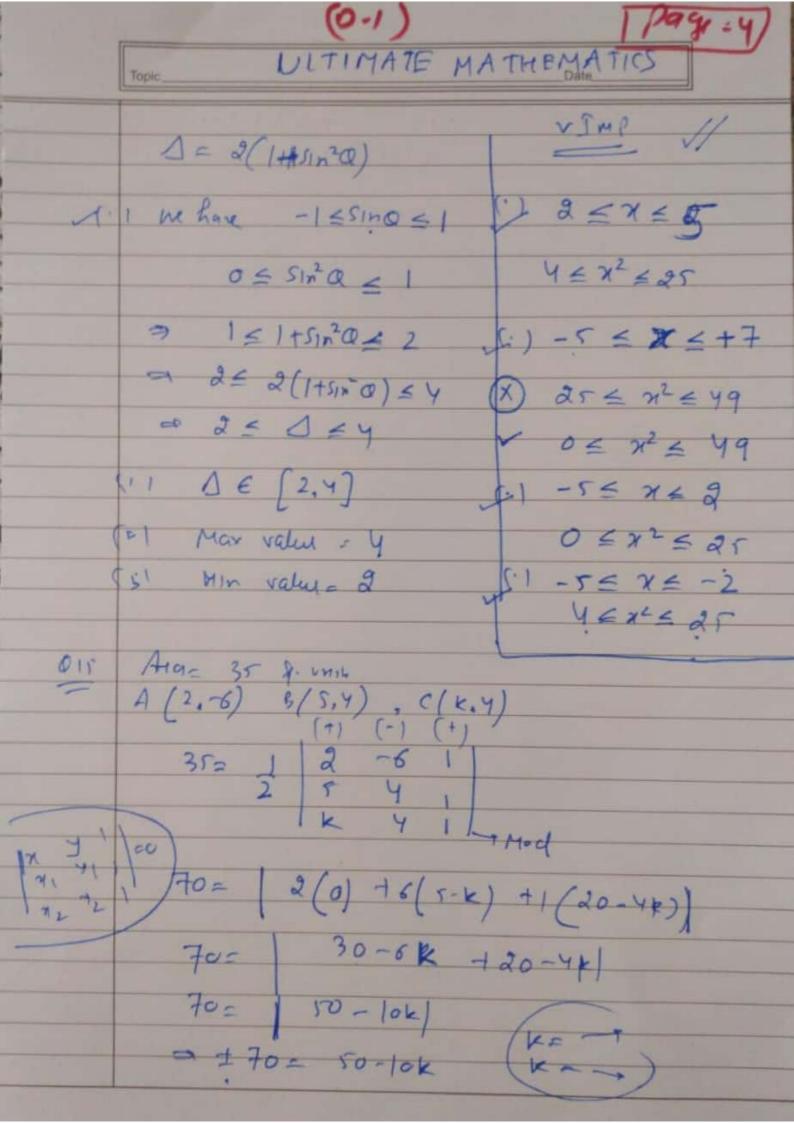
Topic	(D-1)	Date Date	
+ ULTIMATE MATHEMATICS + (BI: AJAY MITTAL: 9891067390)+			
CLASS: D-1			
Symbol =	makex =		
only of a frau matix			
is a number / v	ratue which is	associated only	
2x2 matra	2.4		
$A = \begin{bmatrix} 2 \\ 1 \end{bmatrix}$	3		
1A/= 8-3	-5		
A= \ 3	-5)		
1A1= -15 - (	(-4) = -15+4	= -11	
3x3 Mater			
$A = \begin{pmatrix} 3 \\ 4 \\ 3 \end{pmatrix}$	2 -1 { 2 -1 } 2 -1	expandly along	
1A1= 3(12.	-2) -2(ay-3)	1-1(8-6)	

-14 ANS

ULTIMATE MATHEMATICE Topic ~ Reason of Sign expending alon (2 14/= -2(24-3) +2/18+3)-2(3+4) = -4x +30 45 -14 = = -14 +0 Singular Matin Mater A 18 Said to be Simple 1/3 /AI=0) 3 7 = 2 -6 Fra value y 2 

Paye 3 CLASS D-1 Date Topic\_ - ULTIMATE MATHEHATICS -(BY: ATAY MITTAL: 9891067390) Application y deferminants Area of Terangle A(21,7,) B(42, 42) ((73, 43) collinearly of three points of Acry brangle = 0 Equation of a line passery through two paints A(71,71) B(72,72) x 9 1 | =0 expans 72 72 1 axt by + c=0 (+) (-) (+) & green 0= 1 Sino 1 -Sing I Sing 1-1 -sino 11 2 expert Fird Max valuey s D= 1(1+9n20)-51n@(-5100+510) find Min. value y 1 Range of A 1 = 2(Itsin20 +1)

(D-1)



The state of the s			
(DAI 10+ Evaluate   Sm(10) - (O(10))			
Sm(80) ca(80)			
and the analysis A =   x-1 1			
Con_ to that value of & me man 1 4-1			
C2 (Decudous)			
One 11 For what value of x the matrix A = [x-1 1 1]  or strywar?  I say I say I say I find position of x and y			
Oni 12 + let  3 y   =  3 2   Find possible values y x and y			
If y mot 4 are natural numbers			
16 2 1111			
7 What 0505 22			
CAN-13th Let A= 1 5m0 Here Show throat			
-51nQ   31nQ			
[-1 - sino 1] Det(A) & [2,4]			
Dulle 5 , 4 and to because where verbeen are			
(i) A(2,7) B(101) c(10,8)			
(i) A(2,7) B(1,1) C(10,8)			
(i) A(-2,-3) B(3,2) C(-1,-8)			
ON 15 + 7 aug y trangle is 35 squae umb with vertices			
(2,-6), (5,4), (K,4) Sou value of K			
ON-16+ of the points (2,-3), (1,-1), (0,4) all collinear.			
Carolina A			
, First value of 1			
ON. 17 + Find equation y'lime passing torough (1,2) & (3,6)			
1. Since Of I Bernam can be			
ON-18+ 7 points (k, 2-2k), (-k+1, 2k) & (-Y-K, 6-2k) all			
continua. Find value of K			
- AMINERS +			
Des 4 (14) 27 , 13			
VD/ K=124			
(8) 4=0.			
(2,4) (4,2)			
(6) -37 (9) 92482+02+02 (214) (412) (18) K=-1, 42			

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!) जाय की रिगरिसका औ भद्राराज ए.
ONU 1 = 7 A= [1 0 1] then snow tract  3A  = 27  A
ON: 2- 78   x 2   =   6 2  , then find value y x
$0 \times 13 + evaluak                                   $
ON 4 > Place that the determinant   x 5100 and   -5100 -x 1 48  independent of (Ang - x3)
ONIST Pralvate Cax cap cax san B - sing   -sing cosp o   sing cap sing sing cosa
ON 6 - Expand $\Delta = \begin{vmatrix} 2 & 3 & -2 \\ 1 & 2 & 3 \end{vmatrix}$ by exampling along $\begin{vmatrix} 1 & 2 & 3 \\ -2 & 1 & -3 \end{vmatrix}$ Ist column and $\begin{vmatrix} 3 & 4 \\ -2 & 1 & -3 \end{vmatrix}$ Raw
ONE To Far what value of x the mater A= [1-23] us Singular?
ON. 8 + Defermine the value of x for which the matrix $A = \begin{bmatrix} x_{+1} & -3 & 4 \\ -5 & x_{+2} & 2 \end{bmatrix} A Singular?$ $4 & 1 & x_{-6} \end{bmatrix} A Singular?$
Oni9 + evaluate   a+ib c+id   (i=-1)

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