		3A Quiz	3)	
National University of Computer and Emerging Sciences, Lahore Campus				
MALIAN	Course:	Linear algebra		
STRIONAL ON VERSE	Program:	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Semester:	
Si Huge	Duration:		Total Marks:	(0.3)
Saling Miles	Paper Date:	16/12/2021 85 8F 3A	Weight	
	Section:	BS SE 3A	Page(s):	
Instruction/Notes:	Exam:		Roll No:	3
Attempt All Questions				
SO 1-ind the characteristic equation & eigenvalues of the matrix $A = \begin{pmatrix} -2 & -7 \\ 1 & 2 \end{pmatrix}$ radiciotic Eq.: (A+2)(A-2)-(-1)(7)				
= 0				
$\left[\begin{array}{cccccccccccccccccccccccccccccccccccc$				
[\(0 \) - [-2 -7] = 0 charattenstre no real eigen eq. No real eigen				
		2-6	1	vanes
De Find	matrin work by	P that diagonal Computing poly P	lize, A &	check 2 4)
det (h)	$\frac{\epsilon_{\mathbf{q}}}{(-A)} = 0$		(K-4) (-2	0= (1-4)=0
[01]-	[40]	=0	(4-4)	CL-4)-0=0
[[0 0] -	[40]	=0		$(4)^2 = 0$ racteristic equation)
1			=4,4 (0	
				10-5

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