Subject Code :	**Subject** : Linear Algebra
Date : September 8, 2020	**Timing** : 6:30 PM
Max Marks : 20	**Duration** : Must be submitted within 24 hrs.
Instructor : Dr. Shahzad Nasim	

Instructions:
1. **Please read ALL questions carefully before answering.**
2. **Attempt all questions.**

S. No.	Questions	Marks	PLO	CLOC	
Q.1.	$A = \begin{bmatrix} 9 & 7 \\ 4 & 1 \\ 5 & 8 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 \\ 3 & 3 \\ 2 & 2 \end{bmatrix}$ Find: a. A+B b. A-B c. B-A	5	2	2	2
Q.2.	$A = \begin{bmatrix} 2 & 4 \\ 4 & 3 \\ 5 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 3 \\ 0 & 2 \\ 6 & 7 \end{bmatrix}$ Find 2A+3B	5	2	2 2	
Q.3.	Given 2 3 4 5 6	5	2	2 2	

A= 1 5 5   and   B= 3 8
 	
                                              2   3
 	
Find:
  I. A×B
  II. B×A				

Q.4. Find the inverse of the following square matrix: A= $\begin{bmatrix} 1 & 5 \\ 2 & 9 \end{bmatrix}$	5	2	2 2	