KFUPM--Term 161

Math 260 Quiz 5(a) Time: 30 minutes Date: 05-01-2017

Name	ID	Sec.	Sr. No.	Marks:- /10

Q1. Use the method of diagonalization to find A^5 if $A = \begin{bmatrix} 1 & 3 & 0 \\ 0 & 2 & 0 \\ 0 & 0 & 2 \end{bmatrix}$.

Q2. Find a general solution of the system: $x_1' = 6x_1 - 7x_2,\ x_2' = x_1 - 2\,x_2$.

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Math 260 Quiz 5(b) Time: 30 minutes Date: 05-01-2017

Name	ID	Sec.	Sr No.	Marks:- $/_{10}$

Q 1. Use the method of diagonalization to find A^5 if $A = \begin{bmatrix} 1 & -3 & 1 \\ 0 & 2 & 0 \\ 0 & 0 & 2 \end{bmatrix}$.

Q2. Find a general solution of the system: $x_1' = 3x_1 + 4x_2,\ x_2' = 3x_1 + 2x_2$.

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Math 260 Quiz 5(c) Time: 30 minutes Date: 05-01-2017

Name	ID	Sec.	Sr No.	Marks:- $/_{10}$

Q1 . Use the method of diagonalization to find A^5 if $A = \begin{bmatrix} 4 & -3 & 1 \\ 2 & -1 & 1 \\ 0 & 0 & 2 \end{bmatrix}$.

Q2. . Find a general solution of the system: $x_1' = -50x_1 + 20x_2,\ x_2' = 100x_1 - 60x_2$.