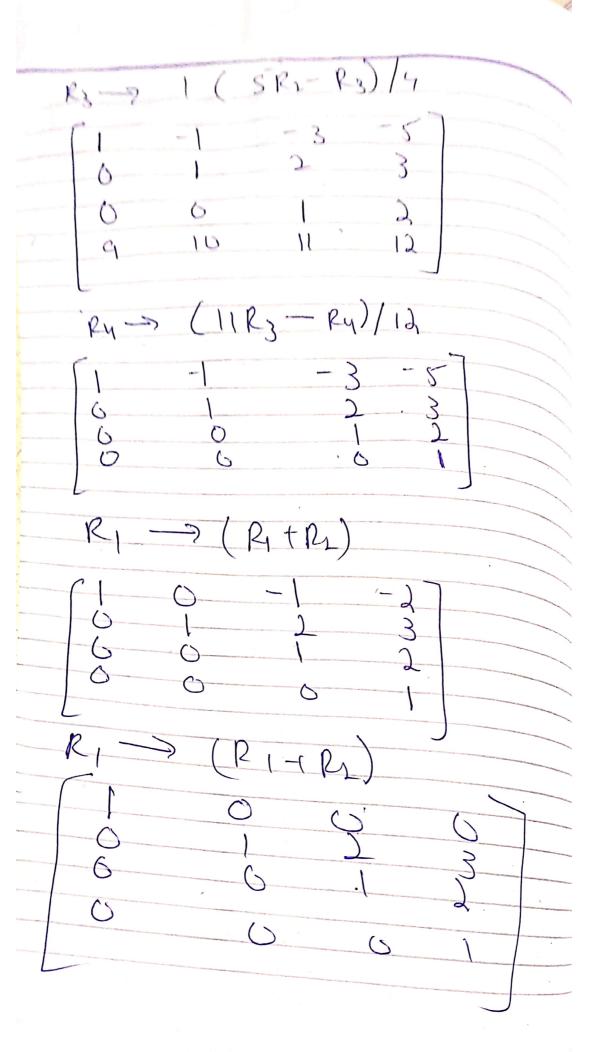
Name Musa Khan
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Section C
Subject Control System

Assignment 5

solution -

$$\begin{bmatrix} -6 & -4 & -3 & -27 \\ 3 & 4 & 5 & 6 \\ 4 & 5 & 6 & 7 \\ 4 & 10 & 11 & 12 \end{bmatrix}$$



## Question:

$$\begin{bmatrix}
2 & -\lambda & 0 & 6 \\
4 & 2 & 0 & \lambda \\
1 & -1 & 0 & 3 \\
1 & -\lambda & 1 & 1
\end{bmatrix}$$

## Solution:

$$\begin{bmatrix}
1 & -2 & 1 & 2 \\
0 & 10 & -4 & -6 \\
0 & -3 & -1 & 1 \\
0 & -8 & -2 & 4
\end{bmatrix}$$

$$\begin{bmatrix} 1 & -2 & 1 & 1 \\ 0 & 7 & -5 & -5 \\ 0 & -3 & -1 & 1 \\ 0 & -8 & -2 & 4 \end{bmatrix}$$

$$\begin{bmatrix} 1 & -2 & 1 & 1 \\ 0 & -3 & -1 & 1 \\ 0 & -8 & -2 & 4 \end{bmatrix}$$

$$\begin{bmatrix} 1 & -2 & 1 & 2 \\ 0 & -3 & -1 & 1 \\ 0 & -8 & -2 & 4 \end{bmatrix}$$

$$\begin{bmatrix} 1 & -2 & 12 \\ 6 & -1 & -71 \\ 0 & -3 & -11 \\ 0 & -8 & -24 \end{bmatrix}$$

Ry - 84R3 -1/10