Date: 02-11-2022   **Assignment # 01**

Subject: Digital Image Processing CS4045

Total Marks: 100

Note: Submit your **HANDWRITTEN** assignment on or before **16:00 PKT, Wednesday 09th November 2022**.

Question # 01:

Read and understand the Image Interpolation topic and answer (handwritten) the following questions.

$$
\mathbf{J} =
\begin{array}{|c|c|c|}
\hline
2 & 5 & 4 \\
\hline
6 & 1 & 2 \\
\hline
7 & 3 & 0 \\
\hline
\end{array}
$$

Zoom (200%) the above image J using the following interpolation schemes:

1. Nearest Neighbor Interpolation

2. Bilinear Interpolation

3. Bicubic Interpolation

~.~.~. ------- Good Luck! ------- .~.~.~