

Computer Vision

Class: BSSEF22

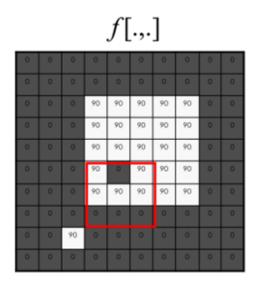
HomeWork-02

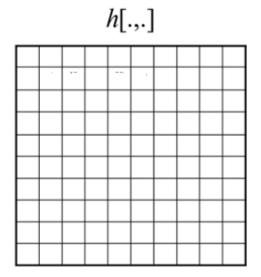
Roll-No:

Total Marks: 12

Perform the convolution operation for questions 1 to 6 and provide observations on the results. **Question 1:**

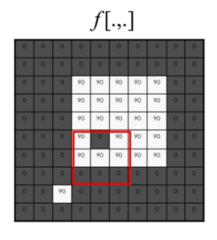
		$g[\cdot,\cdot]$	
mage filterin	g - mean		

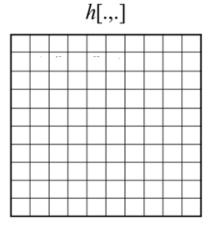




Question 2:

 $g[\cdot\,,\cdot\,] \quad \frac{_1}{^{16}} \left[\begin{smallmatrix} 1 & 2 & 1 \\ 2 & 4 & 2 \\ 1 & 2 & 1 \end{smallmatrix} \right]$ Image filtering







Computer Vision

Class: BSSEF22

HomeWork-02

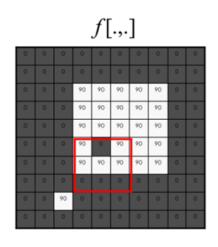
Roll-No:

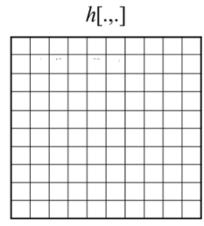
Name: _____

Total Marks: 12

Question 3:

$$g[\cdot\,,\cdot\,]\quad\begin{bmatrix}\begin{smallmatrix}0&-1&0\\-1&5&-1\\0&-1&0\end{bmatrix}$$

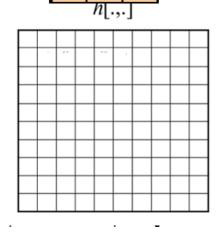




Question 4:

Image filtering

g[· ,·]	1	0	-1
01 / 1	2	0	2
	1	0	-1





Computer Vision

Class: BSSEF22

HomeWork-02

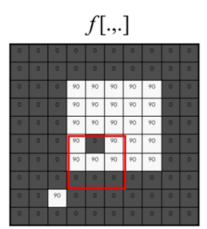
Roll-No: _____

Total Marks: 12

Name: ___

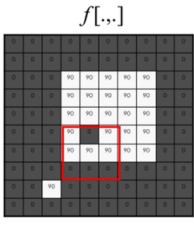
Question 5:

Image filtering



Question 6:

Image filtering



g[· ,·]	0	0	0
	1	0	0
	0	0	0

