

Department of Computer Science & Engineering
School of Studies in Engineering & Technology
Guru Ghasidas Vishwavidyalaya (A Central University)

CLASS TEST-II, March 2022

Subject: Digital Image Processing

Branch: Computer Science & Engineering

Time: 1 hrs.

MM: 15

Note: Attempt all questions. All question carry equal marks.

1. Apply the following spatial filters to the given image $f(x,y)$ and show the intermediate results :

[CO-3, BTL- 1, Marks- 3]

$f(x,y)$ =

1	3	5
4	4	3
5	2	2

a) Low pass filter

b) High pass filter

2. What are the different ways in which segmentation algorithms can be classified?

[CO-3, BTL- 1, Marks- 3]

3. What is Gaussian Filter?

[CO-1, BTL- 2, Marks- 3]

4. Explain the different stages of Edge Detection.

[CO-2, BTL- 2, Marks- 3]

- 5 Explain Global Thresholding Algorithm for image segmentation.

[CO-1, BTL-3, Marks- 3]
