



AMITY UNIVERSITY MAHARASHTRA

Amity School of Engineering & Technology

B. Tech CSE

SEMESTER VII: End Semester Examination – December 2020

CSE 2706 – Digital Image Processing Lab

Date :- 02.12 .2020

Duration:- 3 hrs

Total :- **70 Marks**

Note :-

- i. Section A has **three** Questions from Q1 to Q3. You need to attempt **any two**. All questions carry equal marks, **20 marks** each.
 - ii. Section B **Viva-Voce**.
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SECTION A (40 Marks)

Q1. Perform the following operations **20M**

- (i) Morphological Image Processing (Erosion, Dilation, Opening and Closing)
- (ii) Contrast Stretching

Q2. Perform the following spatial filters for local enhancement **20M**

- (i) Gaussian filter
- (ii) Unsharp mask and High boost filter

Q3. Perform the following image segmentation operation **20M**

- (i) Edge detection using *sobel* operator
- (ii) Image segmentation Using *Region Growing*

SECTION B (30 Marks)