GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem VI - R1UC618T - Digital Image Processing

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	What is Wavelet? Explain it.	K1(2)
2)	Give an example of enhanced Laplacian filter.	K2(4)
3)	Write a program to perform cropping, Zooming of an image.	K2(6)
4)	Explain Image Negatives. How to do it by using Python/ MATLAB.	K3(9)
5)	How to convert an analog Image into digital image?	K3(9)
6)	Detect the edge of an Image using Python/ Matlab.	K5(10)
7)	Analyze Segmentation Techniques.	K4(12)
8)	Explain image and the types of Image. How to read an image using python/ MATLAB? Divide the image into two equal parts and print each part.	K5(15)
9)	Describe Noise Probability Density Functions.	K5(15)
10)	Describe the derivative operators which are useful in image segmentation. Explain their role in segmentation.	K6(18)