PART B (4x4= 16)
ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS

Q.No.	Question	Marks	CO	BL	PI
11.	Explain extraction and loading of image using opencv	4	4	1	4.1.2
12.	Elaborate the Canny edge detector	4	4	3	2.2.3
13.	Examine the purpose of visual codebook in image processing	4	4	2	4.1.2
14.	Analyze the process behind blind source separation	4	4	3	2.2.3
15.	Compare PCA with Kernel PCA	4	4	3	2.1.3
16.	Define the term Biometric Face Recognition	4	4	1	4.1.2

PART C (2x12= 24)
ANSWER ANY ONE OF THE FOLLOWING QUESTIONS

Q.No.	Question	Marks	CO	BL	PI
17. a)	Explain the steps involved in Scale Invariant Feature Transform	12	4	1	2.2.3
	OR				
17. b)	Describe the following i) Histogram equalization ii) Star feature detector	6 6	4	2	2.2.3
18. a)	Discuss the importance of Principal Component Analysis in feature extraction	12	4	2	4.3.3
	OR				
18. b)	Demonstrate the working of Viola Jones face detector	12	4	3	4.2.2