Nirma University

Institute of Technology

Sessional Examination, October-2023

B. Tech. Electronics and Instrumentation Engineering, Semester – VII 2ICOE03 - Pattern Recognition and Image Analysis

Roll /	Supervisor's initial	
Exam No.	With date	
Time: 2 Hour	Max. Marks: 50	
Instructions:	1. Attempt all questions.	
	2. Figure to right indicate full marks.	
	3. Assume suitable data if required.	
Q.1 (A) CO1,	Diagram histogram equalization algorithm with suitable	LO)
Q.2 (A) CO2,	•	10)
(B) CO2,		08)
Q.3 (A) CO3,		10)
(B) CO3,	Discuss the creation of non-linear decision boundary by hypothesis function in case of Logistic regression algorithm? Discuss with suitable example. How can we use Logistic regression algorithm for multiclass classification? Explain with suitable example.	12)