DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE – RAIGAD – 402 103

Summer Semester Examination, May 2018

Branch: M.Tech. (CE / CSE / CS / CS&IT)		Semester: II Marks: 60 Time: 3Hrs.	
[MTCE1205D]			
Q.1.	a) With neat diagram, explain Pattern recognition system in detail.	. (6)	
	b) Explain the concept of Probability theory.	(6)	
Q.2.	a) Explain in detail about Bayes Decision Rule.	(8)	
	b) Give short notes on K-NN classifier.	(4)	
Q.3.	a) How minimum spanning tree used in clustering?	(6)	
	b) Write and explain the DBSCAN algorithm.	(6)	
Q.4.	a) How can you determine distance between two separable classes:	? (8)	
	b) Describe about sequential forward selection algorithms.	(4)	
Q.5.	a) Explain in detail about principal component analysis.	(6)	
	b) Write short notes on kernel principal component analysis.	(6)	
Q.6.	a) Explain about support vector machine in detail.	(6)	
	b) Write FCM algorithm with example.	(6)	