

G.R. No.	
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PAPER CODE	
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MAY 2022 (ENDSEM) EXAM
T.Y. INFORMATION TECHNOLOGY (SEMESTER - II)
COURSE NAME: Professional Elective -II
(Machine Learning)
COURSE CODE: ITUA32181A

Marking Scheme
(PATTERN 2020)

Time: [1Hr]

[Max. Marks: 30]

Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) Use of scientific calculator is allowed
- 3) Use suitable data where ever required

Question No.	Marking Scheme	Marks
Q.1	a) Identify at least six applications	[4]
	b) Frequency count for first set -2, Further sets -2, Rules - 2 .	[6]
	OR	
	b) Distance measures -2, Nearest neighbour-2, Prediction- 2 .	[6]
Q2	a) Need of Gaussian Mixture	[4]
	b) Apply Baye's theorem-1, Calculate each term in theorem -3, Calculate Posterior Probability- 2	[6]
	OR	
	b) Apply Baye's theorem-1, Calculate each term in theorem -3, Calculate Posterior Probability- 2	[6]
Q.3	a) Diagram -2, Explanation -2	[4]
	b) Compare on the parameters- working, pro, cons	[6]
	OR	
	b) Compare on the parameters- working, pro, cons.	[6]