

Semester: January 2023 - May 2023

Maximum Marks: 30 **Examination: In-Semester Examination** Duration:1:15

Programme code:

Semester: V (SVU 2020) Class: TY Programme: Minor Programme in Computer Engineering

Name of the Constituent College:

Name of the Department: COMP K. J. Somaiya College of Engineering

Course Code: 116m75E605

Name of the Course:

**Data Mining** 

Question							Max.	СО	BT
No.							Marks	Mapped	Level
Q1 ,	<ul> <li>a. Explain KDD process with diagram (5m)</li> <li>b. Find the Jaccard similarity for sets A = {1, 2, 3, 7,8} and B = {1, 2,4,6,8,10}(5m)</li> </ul>						10	CO1,CO2	AP
Q2	Answer any 2 with example  a. Types of Attributes;  b. Statistical Description of Data  c. Why Preprocessing is important						10	CO2	UN
Q3	A. Explain Linear and nonlinear regression, Logistic Regression with example OR						10	CO3	AN
	B. Using the following data set, predict whether a young person with low income, has own house or rented house by building decision tree. (Assume required data)								
		N	Income	Age	Own house				
		1	Very high	Young	Yes				
		2	High	Middle	Yes				
		3	Low	Young	Rented				
		4	High	Middle	Yes				
		5	Very high	Middle	Yes				
		6	Medium	Young	Yes				
		7	High	Old	Yes				
		8	Medium	Middle	Rented				
		9	Low	Middle	Rented				
		10	Low	Old	Rented				
		11	High	Young	Yes				
		12	Medium	Old	Rented				
		13	Medium	Young	Rented				