Lagdu Singh Charitable Trust's (Regd.)

**THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY**

Autonomous College Affiliated to University of Mumbai
Approved by All India Council for Technical Education(AICTE) and Government of Maharashtra(GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20
Amongst Top 200 Colleges in the Country, Ranked 193rd in NTRF India Ranking 2019 in Engineering College category
• ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi
• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

Estd. in 2001

In Semester Examination-1,Feburary 2022
Data Mining & Business Visualization

YEAR/SEM: ST/ SEM IV   **DATE: 15/02/2022**

BRANCH: AIML   **TIME: 2.30 PM to 3.30 PM**

                                   MARKS: 20

Instructions:

1. All questions are compulsory.
2. Assume suitable data wherever necessary and state the assumptions made.
3. Figures to the right indicate full marks.

Subjective Questions

	Subjective Type Question (10 Marks)	
Q2	**Solve any 1 (5 Marks)**	MARKS
Q2.a	Illustrate the three major issues in Datamining? which kind of pattern to be mined?	5
Q2.b	Demonstrate KDD Process in details.	5
Q3	**Solve any 1 (5 Marks)**	
Q3.a	Distinguish Noise Data from normal data? How to handle Noise data?	5
Q3.b	Suppose a group of 12 *sales price* records has been sorted as follows: 5; 10; 11; 13; 15; 35; 50; 55; 72; 92; 204; 215; **Solve** it by Binning : **Divide** them into **three bins** by each of the following methods (a) equal-frequency partitioning (b) equal-width partitioning	5