



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF ENGINEERING
MID TERM EXAMINATION - APR 2023**

Semester : Semester IV - 2021

Date : 17-APR-2023

Course Code : CSE2021

Time : 9.30AM - 11.00AM

Course Name : Sem IV - CSE2021 - Data Mining

Max Marks : 50

Program : B.Tech - All Programs

Weightage : 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

(10 X 1 = 10M)

1. The initial steps concerned in the process of knowledge discovery is:

a) Data Cleaning	b) Data Integration	(CO1) [Knowledge]
c) Data Reduction	d) Data Transformation	
2. Two fundamental goals of Data Mining are _____ and _____.

a) Analysis and Description	b) Prediction and Description	(CO1) [Knowledge]
c) Data cleaning and organizing the data	d) Data cleaning and summarization	
3. To remove noise and inconsistent data is called _____.

a) Data Integration	b) Data Cleaning	(CO1) [Knowledge]
c) Data Transformation	d) Data Reduction	
4. _____ is not a data mining functionality?

a) Clustering and Analysis	b) Selection and interpretation	(CO1) [Knowledge]
c) Classification and regression	d) Characterization and Discrimination	
5. A sequence of patterns that occur frequently is known as?

a) Frequent Item Set	b) Frequent Subsequence	(CO1) [Knowledge]
c) Frequent Sub Structure	d) All of the above	
6. The classification or mapping of a class using a predefined class or group is called.

a) Data Sub Structure	b) Data Set	(CO2) [Knowledge]
c) Data Discrimination	d) Data Characterisation	
7. In Binning, we first sort data and partition into (equal-frequency) bins and then which of the following is not a valid step.

a) smooth by bin boundaries	b) smooth by bin median	(CO2) [Knowledge]
c) smooth by bin means	d) smooth by bin values	

