PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B. TECH MIDSEM EXAMINATION
7th SEMESTER
ACY -2022-23 (ODD SEM)

Subject Name (Code): Data Mining (203105431)　　　　　Branch: CSE
Date: *04/08/2022*　　　　　Time: 10.30 to 12.00　　　　　Total Marks: 40

		Marks
Q.1	(A) Answer the Following	05

1) Which of the following is an essential process in which the intelligent methods are applied to extract data patterns?
    a) Warehousing
    b) Data Mining
    c) Text Mining
    d) Data Selection

2) What is KDD in data mining?
    a) Knowledge Discovery Database
    b) Knowledge Discovery Data
    c) Knowledge Data definition
    d) Knowledge data house

3) Choose the incorrect property of the data warehouse.
    a) Collection from heterogeneous sources
    b) Subject oriented
    c) Time variant
    d) Volatile

4) Identify the term used to define the multidimensional model of the data warehouse.
    a) Table
    b) Tree
    c) Data cube
    d) Data structure

5) Which one of the following can be defined as the data object which does not comply with the general behavior (or the model of available data)?
    a) Evaluation Analysis
    b) Outliner Analysis
    c) Classification
    d) Prediction

(B) Compulsory Questions　　　　　05
  1) What is reporting?
  2) What is data warehouse?
  3) Define star schema.
  4) Which operations can be performed on data warehouse?
  5) Define data mart.

Q.2　Attempt any four (Short Questions)　　　　　12

(1) Differentiate snowflake schema and fact constellation schema.

(2) Give the difference between OLTP and OLAP.

(3) Discuss anyone issue of data mining.

(4) List out the different types of data on which data mining can be performed.

(5) Explain distributive and holistic measures.

Q.3   Attempt any two   08

(1) Explain metadata repository.

(2) Explain any 4 functionalities of data mining.

(3) Explain base cuboid and apex cuboid with diagram.

QA   (A) Explain KDD with neat diagram.   05

(B) Explain various OLAP operations on data cube with example.   05

<div align="center">OR</div>

(B) Explain 3 tire data warehouse architecture with neat diagram.   05