

**Roll No.**

[illegible]

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**M.Sc.(IT) (Sem.-4)**

## DATA WAREHOUSING AND DATA MINING

**Subject Code : PGCA-1941**

**M.Code : 79564**

**Date of Examination : 20-12-2022**

**Time : 3 Hrs.**

**Max. Marks : 70**

### INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION - B & C have FOUR questions each.**
3. **Attempt any FIVE questions from SECTION B & C carrying TEN marks each.**
4. **Select atleast TWO questions from SECTION - B & C.**

## SECTION-A

- 1. Write short notes on :**

- a) OLTP
- b) Boosting
- c) Data Mining
- d) Star schema
- e) Meta data
- f) Data Mart
- g) K-means
- h) Data Cube
- i) Indexing
- j) ETL

## **SECTION-B**

2. Differentiate between the OLAP and OLTP.
3. Discuss Data Warehouse characteristics, role and structure.
4. Write a note on data summarization and data transformation.
5. Explain the concept of star schema, snowflake schema and fact constellation.

## **SECTION-C**

6. Discuss Data Mining and KDD process in detail.
7. How classification is different from clustering? Give suitable example
8. Discuss pattern and context based Data Mining
9. How python is used to implement various data mining algorithm? Explain.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**