8+ α = 10 .

ROLL No: [ ] Total number of pages:[1]

MCA 4ᵗʰ Sem

Data Warehousing and Data Mining

Subject Code: MCAP1-462 (RG)

Paper ID: M\18

Time allowed: 3 Hrs

Max Marks: 60

Important Instructions:

- All questions are compulsory

PART A (10x 2marks)

Q. 1. Short-Answer Questions:
   (a) Write a note on Data Mart.
   (b) Differentiate between OLAP and ALTP.
   (c) What is Data Cube?
   (d)Define the term ETL in data warehouse.
   (e) What is KDD?
   (f) What is decision tree?
   (g) List major Data Warehouse applications.
   (h) What is prediction?
   (i) What is the importance of using clustering?
   (j) What is MDDB?

PART B (5×8 marks)

Q. 2. What is Data Warehouse? Discuss the basic characteristics of a data warehouse.   CO1

OR

Discuss the difference between operational database system and data warehouse.   CO1

Q. 3. Explain the Three Tier Architecture of data warehouse.   CO2

OR

Discuss MDDM and its schemas.   CO2

Q. 4. Explain the concept of data mining. List and Explain the functionalities associated   CO3
with it.

OR

Explain the following: CO3
a) Classification by Back Propagation
b) Applications of data mining

Q. 5. Discuss different partitioning methods of clustering in detail.   CO4

OR

Write short notes on: CO4
a) Hierarchical Clustering
b) DBSCAN

Q. 6. Explain Data Visualization? Explain various Data Visualization tools and   CO3
techniques.

OR

Explain the following: CO4
a) OLAP vs. OLTP   b)Fuzzy set approach