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MASTER OF SCIENCE (M.SC) IN COMPUTER APPLICATIONS
EXAMINATION : DECEMBER-2024/JANUARY-2025
SEMESTER - II
Sub: Data Mining & Data Warehousing - (MSC-206-22)

Date : 06/01/2025

Total Marks : 60

Time: 10.00 am To 12.30 pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagrams wherever necessary.

Q.1 Answer the following in 2-3lines. (Any 5) (10)

1. Define HOLAP?
2. Define data warehouse?
3. What are facts?
4. Define OLTP?
5. Define machine learning.
6. Define noise data.
7. Define Post pruning.

Q.2 Answer the following in short. (Any 4) (20)

1. Explain data mining tasks.
2. Explain the difference between a star schema and a snowflake schema
3. Explain data cleaning process.
4. Explain FP growth algorithm.
5. Describe Bayesian classification.
6. Explain smoothing technique.

Q.3 Answer the following in detail. (Any 3) (30)

1. Describe data mining primitives.
2. Describe data discretization in detail.
3. Explain Wavelet Transform in detail.
4. Explain OLAP operations.
5. Describe Apriori algorithm. Explain how association rules are generated from frequent item sets.