

TILAK MAHARASHTRA VIDYAPEETH, PUNE**MASTER OF COMPUTER APPLICATIONS****EXAMINATION : JUNE - 2025****SEMESTER - III****Sub : Data Mining & KDD (MCA- 300-22)****Date : 9/06/2025****Total Marks : 60****Time: 2.00 pm To 4.30 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 diagram wherever necessary.

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

1. What is a dataset?
2. Define data selection.
3. What is HOLAP?
4. What is data preprocessing in data mining?
5. What are the components of a data warehouse?
6. Define clustering in data Mining.
7. What kind of data can be mined?

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

1. Describe data mining in social media.
2. Explain Bayesian classification in Data Mining.
3. What is the impact of data warehousing on business intelligence?
4. What is the K-means algorithm?
5. What are the differences between OLAP And OLTP?
6. Describe the benefits of data mining?

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

1. Describe Apriori Algorithm.
 2. Explain association rule mining using example.
 3. What is the role of data warehousing in data backup and recovery?
 4. Describe the difference between supervised and unsupervised learning in data mining.
 5. Explain the difference between a star schema and a snowflake schema.
-