**NOTE:-Please submit PDF of size<100k**

**Answer all MCQ (5\*1=5)**

1. Data scrubbing is which of the following?

1. A process to reject data from the data warehouse and to create the necessary indexes
2. A process to load the data in the data warehouse and to create the necessary indexes
3. A process to upgrade the quality of data after it is moved into a data warehouse
4. A process to upgrade the quality of data before it is moved into a data warehouse

2. The @active data warehouse architecture includes which of the following?

1. At least one data mart
2. Data that can extracted from numerous internal and external sources
3. Near real-time updates
4. All of the above.

3. A goal of data mining includes which of the following?

1. To explain some observed event or condition
2. To confirm that data exists
3. To analyze data for expected relationships
4. To create a new data warehouse

4. An operational system is which of the following?

1. A system that is used to run the business in real time and is based on historical data.
2. A system that is used to run the business in real time and is based on current data.
3. A system that is used to support decision making and is based on current data.
4. A system that is used to support decision making and is based on historical data.

5. A data warehouse is which of the following?

1. Can be updated by end users.
2. Contains numerous naming conventions and formats.
3. Organized around important subject areas.
4. Contains only current data.

**Answer the given 2 questions (2\*10=20)**

1. Write a short note on **Genetic Algorithms**.

2. Using the below given table show how the induction of a **Decision Tree** is done using information gain-

