**Date:28th March 2020**

**Name:**

**Quiz 02 – 5 marks**

Q1. Which function is used in logistic regression to map input to output?

Q2. What is the difference between linear and logistic regression?

Q3. Explain the concept of pruning and its use in Decision Trees.

Q4. Why is an odd value of ‘k’ preferred in KNN?

Q5. Why is KNN called a lazy learner?

A1. Likelihood function is used in logistic regression to map input or output.

A2. Target variables are in continuous form in linear regression however they are in categorical form in logistic regression.

A3. Pruning is a data compression technique in machine learning that reduces the size of decision trees .

A4. An odd value of K is preferred so that there are no ties in voting.

A5. Because it does no training at all when you supply the training data.