ECHELON INSTITUTE OF TECHNOLOGY

Department of Computer Application

Assignment No– 2: Odd Semester 2023-24

Course: BCA-DS
Date of Issue: 6-11-24
Subject- Machine Learning
Course Unit included: 3,4

Session: 2023-24
Date of Submission: 11-11-24
Course Code- BCA-DS-302
Max. Marks: 30

Course Outcomes:

CO3 Explain different unsupervised learning techniques and their applications.
CO4 Summarize recent trends and scalable techniques in machine learning.
CO5 Describe Bayesian learning and its application in classification methods.

S. no	Question	Course Outcome	Revised Bloom Taxonomy Level	Marks
Q1	Explain K means clustering by taking suitable example.	CO-4	RBTL-2	5
Q2	What is Self Organizing Maps? Explain unsupervised learning of clusters in details with example.	CO-5	RBTL-1	5
Q3	What are the benefits of pruning in decision tree induction? Explain different approaches of tree pruning.	CO-3	RBTL-2	5
Q4	Distinguish between bagging and boosting.	CO-5	RBTL-2	5
Q5	Explain association rules mining with example.	CO-3	RBTL-2	5
Q6	Explain scalable Machine Learning and its importance with examples.	CO-4	RBTL-2	5