**CS4101 Applied Machine Learning**

**Assignment 02**

**Due Date: 24th October 2023 Total Marks: 40**

1. Use Table 1 to create Decision Tree using C4.5 and CART. Use Depth = 2. Show all steps clearly.

**[20 Points]**

1. Use any datasets from Kaggle competition not earlier than 2020, compare and analyze the performance of decision trees on that dataset (with different hyper-parameter tuning) using F-measure and Accuracy. Plot performance curves and discuss. Use 10 Fold Cross Validation and random train/test split (70%, 30%). **[20 Points]**

