CA-2 Even

INT-234

Predictive Analytics

Roll No:\_\_\_\_\_\_\_\_\_\_\_\_ Section:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Note:**

**1. All questions are compulsory.**

**2. Copy cases will be awarded zero without any explanation.**

**3. Each question is of 15 marks.**

Q1. Use mushrooms.csv dataset and create a decision tree. Train your model with 80% data so that it can classify mushroom samples as poisonous or edible by studying various features. Also create the confusion matrix and find the accuracy. Explain the conclusion derived from decision tree.

Q2. Use heart.csv file and find if there is a linear relationship between biking, smoking and heart disease. Consider heart.disease as a dependent variable and rest two as independent variables.