**Lab sheet 3 Machine Learning**

**UEC713**

1. **Use the table below to create a decision tree using both ID3 (Information Gain and Entropy) and CART (Gini Impurity) algorithmic approach. Fill the entries where question mark is there. Choose the attribute for splitting which has the highest information gain.**



Q2.

Write Python code for Multiple regression technique.Apply the code to relevant dataset and show the results.

Q3. Write Python code for developing a machine learning model for Decision Tree algorithm. Choose dataset of your own choice. When you submit lab sheet, please explain the dataset also in a few lines or comment section of the code.