



Inspiring Excellence

# BRAC University

## Department of Computer Science and Engineering

CSE 422: Artificial Intelligence

Quiz 03: Fall 2024 Time: 30 Minutes Marks: 10

Name:

ID:

1. If you don't use any pruning technique, the expected accuracy of a ID3 algorithm on a training set is 100%. Is this statement true or false? [2]

A	B	C	Y
F	F	F	F
T	F	T	T
T	T	F	T
T	T	T	F

2. Consider the above data. There are three features A,B,C and a label Y. Which feature will be selected if information gain is used? [8]