

Coursework 3

The coursework should be handed into the Documentation Administrator (Wendy Field) by 3:00pm on Thursday 13th May 1999.

Every page should have on it

- The page number
- Your name
- Your login
- The course code and name (i.e. G5BAIM – Artificial Intelligence Methods (AIM)).
- The lecturers name (i.e. Graham Kendall)

The marks for this course works are as follows

- Question 3.1 = 40%
- Question 3.2 = 60%

Question 3.1

Using the Card Sort technique of knowledge acquisition classify the following fruits and produce a set of rules. In your answer show the dimensions you have used as well as listing the rules.

The fruits to classify are

Apple, Banana, Grape, Mango, Melon, Orange, Plum

Question 3.2

Using the Concept Learner System build two search trees that classifies the data below. We are interested in knowing what subscription each member pays?

Produce a set of rules that classify the data. Use the smallest search tree to do this.

Name	Membership Type	Concession	Subscription Payable
Bill	Regular	50%	10
Darren	Junior	50%	10
Dave	Junior	20%	50
Dick	OAP	10%	20
Joe	Regular	10%	20
Jim	OAP	10%	20
Rik	OAP	50%	10
Simon	Regular	50%	10
Stu	OAP	20%	10
Zac	Junior	10%	20