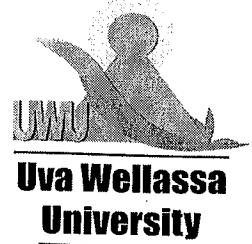


Uva Wellassa University, Sri Lanka
Faculty of Science and Technology
Science and Technology Degree Programme
1st Semester Examination – March/April 2013



SCT 420 – 1 Biotechnology in Food Science

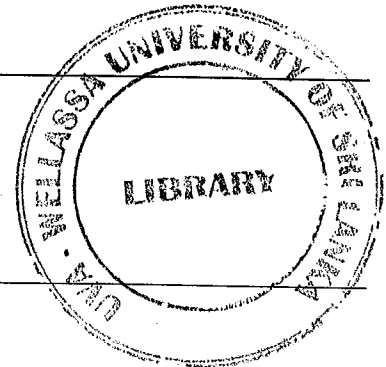
Instructions to candidates

Total number of questions: Two (02)

Answer all the questions

Time allocation: one (01) hour

Total marks allocated: 100



1. Describe the major steps involved in the delivery of a gene of interest into a target plant by *Agrobacterium tumefaciens* mediated gene transfer. Use labelled drawings where necessary.

(50 marks)

2.

- a. Briefly explain what “Antisense DNA Technology” is.

(10 marks)

- b. Giving at least two examples describe how Antisense DNA Technology is used to reduce or remove antineutrients and other undesirable compounds present in food.

(40 marks)