



Uva Wellassa University  
Faculty of Animal Science and Export Agriculture  
B.Sc. in Export Agriculture /  
B.Sc. in Tea Technology and Value Addition



End Semester Examination February / March 2012  
Year III Semester I

Agricultural Biotechnology (EAG 312-2)

**Instructions**

Answer All questions

No. of questions : Three (03)

No. of pages : One (01)

Total marks allocated : 50%

Time : One (1) hour

**Part III - Essay**

**Question 1**

Discuss the use of bioinformatics in value addition to the agriculture industries in Sri Lanka.

(20 Marks)

**Question 2**

A scientist isolated a gene directly responsible for production of protein from soy bean plant and he wants to transfer this gene to the rice plant to enhance its nutrient quality of the grain.

Explain a technique to transfer the protein gene into the rice genome which is based on a natural biological delivery system.

(15 Marks)

**Question 3**

Compare and contrast four different DNA Fingerprinting techniques giving their advantages and limitations in use.

(15 Marks)