

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



End Semester Examination August / September 2014
Year II Semester II

Basic Genetics EAG 213- 2

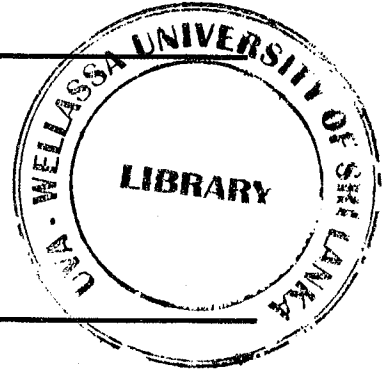
Instructions

Answer all questions.

No. of questions : Two (02)

No. of pages : One (01)

Total marks allocated : 50%



PART III - ESSAY

Question 01

(20 Marks)

Discuss the Use of Heritability Estimates in Plant Breeding.

Question 02

(10 X 3 = 30 Marks)

Write short notes on any of the following three (03);

- 1 Degeneracy of genetic code in protein translation
- 2 Use of Autotetraploids and Amphidiploids in agriculture
- 3 Processing of mRNA transcript in eukaryotic cells
- 4 Role of mRNA, rRNA and tRNA in a cell
- 5 Applications of polyploidy in plant breeding