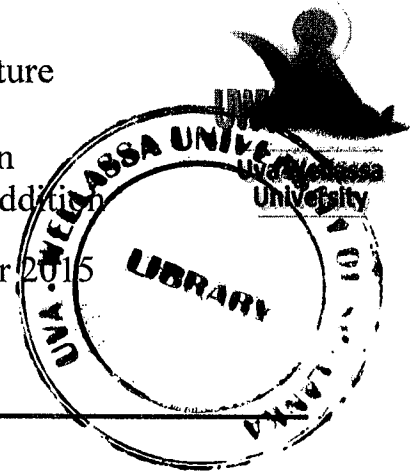


Uva Wellassa University
Faculty of Animal Science & Export Agriculture
B.Sc. in Export Agriculture
B.Sc. in Tea Technology & Value Addition
B.Sc. in Palm & Latex Technology and Value Addition

End Semester Examination September / October 2015
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 1

(20 Marks)

Most of the useful characters of crops are governed by polygenic / quantitative traits.

Explain, how “natural selection” applies to quantitative traits.

Question 2

(10 X 3 = 30 Marks)

Write short notes on three (03) of the followings;

- 2.1. DNA is an ideal and universal genetic material.
- 2.2. DNA replication is an enzymatic reaction.
- 2.3. Processing of mRNA transcript in eukaryotic cells.
- 2.4. Role of RNA molecules protein translation.
- 2.5. Degeneracy of genetic code in protein translation.