



End Semester Examination September / October 2012
Year II Semester II

Basic Genetics (EAG 213- 2)

Instructions

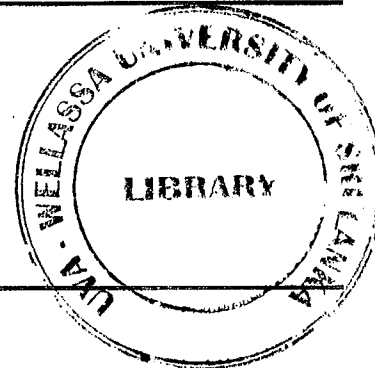
Answer **All** questions.

No. of questions : Two (02)

No. of pages : One (01)

Total marks allocated : 50%

Time : One hour (1hr)



PART III - ESSAY

Question 1

(20 Marks)

Discuss the Use of Heritability Estimates in Plant Breeding.

Question 2

(7.5 X 4 = 30 Marks)

Write short notes on,

- 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