

Uva Wellassa University
Faculty of Animal Science & Export Agriculture
BSc in Export Agriculture
End Semester Examination – August / September 2014
Year III Semester II



Genetic Improvement of Crops - EAG313-2

Instructions:

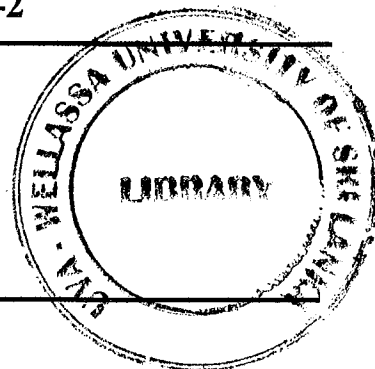
Answer all questions

No. of Questions : Two (02)

No. of Pages : One (01)

Time : One Hour (01 hr)

Total Marks Allocated: 60%



PART II – ESSAY

Question 01

(30 Marks)

Discuss use of different crop improvement techniques and technologies in development of new F₁ hybrid varieties of open pollinated vegetable crops.

Question 02

(7.5 X 4 = 30 marks)

Write short notes on any four (04) of followings.

- 2.1 Production of hybrids as new varieties of facultative apomixes fruit crops.
- 2.2 Applications of in vitro techniques in developing new varieties.
- 2.3 Polyploidy manipulation in cultivar development to develop new varieties.
- 2.4 Use of mutation breeding in development of new crop varieties in Sri Lanka.
- 2.5 Integration of molecular techniques in crop improvement.