



Uva Wellassa University
Faculty of Animal science and Export Agriculture



Uva Wellassa
University

BSc in Export Agriculture
End Semester Examination- September/ October 2013

Year III Semester II
Advanced Crop Physiology EAG 356-1

Instructions

Answer only **one (01)** question

No. of question : Two (02)

No .of pages : One (01)

Time : 15 minutes

Total marks allocated : 20/100

Part III – Essay

Question 01

(20 marks)

Light plays a major signaling role in plant development. A plant's ability to maximize its photosynthetic productivity depends on its capacity to sense, evaluate, and respond to light quality, quantity, and direction. Plant biologists have identified the various photoreceptors in plants.

Refer to the above paragraph briefly explain how plants response to wavelengths of light in the blue, red and far-red regions of the spectrum.

Question 02

(20 marks)

Discuss the importance of allelopathy in crop yield improvement giving suitable experimental evidences.