

BSc in Export Agriculture
BSc in Tea Technology and Value Addition
BSc in Palm & Latex Technology and Value Addition

First Year First Semester Examination – February 2021 (12/02/2021)

Principles of Crop Physiology (EAG 114-2)

Open Book Examination - Essay Questions

Instructions:

Answer all questions. The answers should be hand-written. Write your Name/Reg. number in each page. You are allowed to refer lecture notes, journal articles, text books or any other material. Submit your answers to VLE or email to chandima@uwu.ac.lk **before 11:45 am**. You have given **two (02) hours (9:00 am-11:00 am)** to answer the questions and **45 minutes to submit** (11:00 am-11:45 am).

Please make sure that your answers are correctly uploaded to VLE. Please re-check whether the answers are in the system after uploading.

No. of questions : Two (02)
No. of pages : One (01)
Time : Two (02) hours **(9:00 am – 11:00 am)**
Submit before **11:45 am**
Total marks allocated : 60%

01. Discuss the morphological, physiological and environmental factors affecting transpiration process in plants.

(30 Marks)

02. Several morphological, anatomical and physiological characters are known to contribute for yield improvements in crops. Discuss the morphological, anatomical and physiological characters proposed for the “Rice ideotype” explaining how those characters contribute for yield increase in rice.

Note: Ideotype is an ideal plant type (a model plant) defined for a given crop species and consisting of a collection of favorable traits which are expected to maximize yield.

(30 Marks)

[End of the paper]