

**UVA WELLASSA UNIVERSITY OF SRI LANKA  
FACULTY OF ANIMAL SCIENCE & EXPORT AGRICULTURE**



**BSc in Export Agriculture  
BSc in Tea Technology and Value Addition  
BSc in Palm & Latex Technology and Value Addition  
First Year First Semester Examination – July/August 2018**

**Principles of Crop Physiology (EAG 114-2)  
Section III – Essay Questions**

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**Instructions:**

Answer all questions in the given booklet.

Marking Scheme

No. of questions : Two (02)

No. of pages : One (01)

Time : One (01) hour

Total marks allocated : 50%

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

(25 marks)

02. Plants have evolved three photosynthetic pathways, namely, C<sub>3</sub>, C<sub>4</sub> and CAM. Discuss the differences and similarities among C<sub>3</sub>, C<sub>4</sub> and CAM photosynthetic pathways.

(25 marks)

**[End of Section III]**