

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2008/2009

(March/April 2010)

AGB 2101: PLANT PHYSIOLOGY

END SEMESTER EXAMINATION



Answer **all** questions.

This paper should be answered in **English**.

Time: **One** hour.

1. a) Briefly explain the term '**Field Capacity**'.
 - b) Outline the reduction phase of the C-3 photosynthetic pathway.
 - c) What are the benefits of photorespiration to plants?
 - d) Briefly explain the mechanism of '**phloem transport**' in plants.
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2. a) Outline the process of CO₂ fixation in CAM plants.
 - b) Illustrate the '**source – sink**' relationship in plants.

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