

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2009/2010

(June / July 2011)

AGB 2101: PLANT PHYSIOLOGY

END SEMESTER EXAMINATION



Answer all questions.

This paper should be answered in English.

Time: One hour

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1. a) What do you understand by the term 'Permanent Wilting Percentage'?
 - b) "Photorespiration is light dependent". Briefly explain this statement.
 - c) List out the enzymes catalyzing the reactions of the C₃ photosynthetic pathway.
 - d) Briefly explain the 'Osmotic theory' of root pressure in plants.
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2. a) Outline the process of CO₂ fixation in C₄ plants.
 - b) Explain the following:
 - i) Phloem transport
 - ii) Assimilate partitioning
