

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2005/2006

AGB 2101 – PLANT PHYSIOLOGY

END SEMESTER EXAMINATION

Answer **all** questions

Index No:.....

Time: One hour

Date:.....

1. a) Describe the process of cyclic photophosphorylation in plants
with suitable diagrams. (20 marks)
- b) Give the mechanism of 'phloem transport' in plants. (20 marks)
- c) Briefly discuss the benefits of photorespiration to plants. (10 marks)

2. a) Outline the process of CO₂ fixation in CAM plants. (30 marks)
- b) Explain the following:
 - i) Assimilate partitioning (10 marks)
 - ii) Water potentials in plant cells (10 marks)

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