

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2001/2002

AGB 2101 – PLANT PHYSIOLOGY

Answer All Questions

Time : Two hours.

1.
 - a) Briefly explain the term 'Permanent wilting Percentage'.
 - b) What are the benefits of Photorespiration to plants?
 - c) Give a brief account on 'Guttation' in plants.
 - d) List the characteristic features of bundle sheath cells in C-4 plants.

2.
 - a) Illustrate with diagrams the structure of Cytochrome b_6 - Cytochrome f complex in photosynthesis and mention its functions.
 - b) Briefly explain the components of water potential.

3. Outline the process of CO_2 fixation in CAM plants.

4. Write short notes on the following:
 - a) Readily available water.
 - b) Sink – Source relationship.
 - c) Noncyclic photophosphorylation.
