

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2002/2003 (June/July)

AGB 2101 – PLANT PHYSIOLOGY

Answer All Questions

Time : One hour

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1. a) Define the term “water potential”.
  - b) “Photorespiration is light dependent”. Justify this statement.
  - c) Briefly state the reduction phase of the C – 3 photosynthetic pathway.
  - d) What are the factors determining the rate of movement of a compound in the phloem?
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2. a) Briefly explain the photosynthetic pathway in C – 4 plant.
  - b) Describe with diagram/s the Sink-Source relationship in plants.

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