

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2004/2005

AGB 2101 – PLANT PHYSIOLOGY (2 : 15/30)

Answer all questions

Time allowed: 2 hours

Answer all questions

Time : One hour

1. a) Describe the process of non-cyclic photophosphorylation in plants?

b) Explain the reduction phase of the C – 3 photosynthetic pathway.

c) "Light is essential for photorespiration". Justify this statement.

2. a) Outline the process of CO₂ fixation in C – 4 plants.

b) Illustrate the source – sink relationship in plants.
