

EASTERN UNIVERSITY, SRI LANKAFINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2008/2009

(September/October – 2009)

AGB 4111: ADVANCED PLANT PHYSIOLOGYEND SEMESTER EXAMINATIONAnswer **all** questionsTime: **One** hourThis paper should be answered in **English**.

1. a) Outline the metabolic pathways of Gibberellins in plants.
b) Briefly discuss the effects of GA₃ on the synthesis of RNA and protein.

2. a) Illustrate with examples the rhythms of CO₂ metabolism in succulents.
b) Briefly explain the effects of ABA on the following:
 - (i) Dormancy
 - (ii) Fruit growth and
 - (iii) Stomata
