

EASTERN UNIVERSITY, SRI LANKA

FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE-2005/ 006

AGB4111: ADVANCED PLANT PHYSIOLOGY

END SEMESTER EXAMINATION

Answer **all** questions.

Time: One hour

This paper should be answered in English.

1. a) Briefly describe the biosynthetic pathways of IAA in plants. (25 points)

- b) Outline the physiological responses induced by exogenous application of IAA in plants. (25 points)

2. a) Illustrate with examples the rhythms of CO₂ metabolism in succulents. (20 points)

- b) Give the conditions that a rhythm should satisfy before it is said to be endogenous. (10 points)

- c) Briefly discuss the influence of GA₃ on cell-wall extensibility of plants. (20 points)

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