

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2012 / 2013 (Jan. 2016)

AB 2101: PLANT PHYSIOLOGY (2:15/30)

END SEMESTER EXAMINATION

Answer **all** questions

This paper should be answered in **English**

Time: **One hour**

1. (a) Briefly explain the “Osmotic theory” of root pressure in plants. (25 marks)
- (b) “Photorespiration is light dependent”. Briefly explain this statement. (25 marks)
- (c) Define the term “Water Potential”. (25 marks)
- (d) Write a brief account on “Phloem transport” of plants. (25 marks)
2. (a) Outline the process of CO₂ fixation in C4 plants. (40 marks)
- (b) Give an account of the various factors which affect the rate of transpiration of plants. (60 marks)
