

**EASTERN UNIVERSITY, SRI LANKA**

**SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2012/2013 (March 2015)**

**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) List out the benefits of photorespiration to plants. (25 marks)
  - b) Write down the mechanism of phloem transport in plants. (25 marks)
  - c) Briefly discuss the process of “Guttation” in plants. (25 marks)
  - d) Briefly explain the “Osmotic theory” of root pressure in plants. (25 marks)
- 2.
- a) Outline the process of CO<sub>2</sub> fixation in CAM plants. (40 marks)
  - b) Discuss the factors affecting photosynthesis in plants. (60 marks)

\*\*\*\*\*