

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

AGB 4107 – PLANT WATER RELATIONS (2 : 15/30)

Answer **all** questions.

This paper should be answered in English.

Time : One hour

1. a) Briefly explain the energy relations of transpiration in plants.
b) How do plants survive drought by osmotic adjustment?

2. a) Briefly discuss the effects of water deficit stress on the enzyme activity concerning the soluble fraction of plants.
b) Describe how the plants maintain water uptake during drought tolerance at high tissue water potential.
