

**EASTERN UNIVERSITY, SRI LANKA**

**FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2007/2008**

**AGB 4107: PLANT WATER RELATIONS**

**END SEMESTER EXAMINATION**



Answer all questions

This paper should be answered in English

Time: One hour

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- a) How does the efficiency of root systems influence the absorption of water and minerals by plants? (20 points)
- b) What do you understand by "Osmotic adjustment"? Briefly explain. (20 points)
- c) "Two groups of resistances affect transpiration". Briefly explain this statement. (10 points)
- a) Outline the energy relations of transpiration in plants. (20 points)
- b) Discuss the effects of water deficit stress on the expansion of plant cells. (30 points)
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