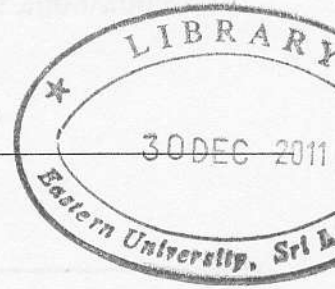


Eastern University, Sri Lanka
First Year Second Semester Examination in Science – 2008/2009
External Degree Programme (Nov/Dec-2011)
EXTBT 102 – Plant Physiology

Answer all questions
Time: 2 hrs



1. Give a brief account of the following;
 - a). The role of K^+ ions in stomatal movement.
 - b). Factors affecting the stomatal movement.

2. Write short notes on the followings;
 - a). C_3 cycle
 - b). CAM plants
 - c). Cell wall synthesis
 - d). Apoplast

3. a). Briefly describe the path of water from soil to atmosphere through plants.
b). Briefly explain the most acceptable theory with regard to phloem transport.

4. a). What is photosystem?
b). Briefly describe photosystems I and II.
c). Briefly explain photorespiration.