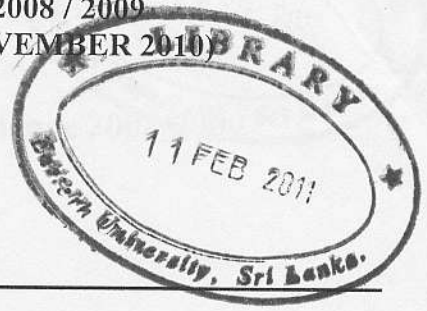


EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE – 2008 / 2009
SECOND SEMESTER – (SEPTEMBER – NOVEMBER 2010)

BT 102 / Plant Physiology



Answer all questions

Duration: 02 hour

1. a). List out the five evidences for material transported in phloem
b). Explain how solutes are loaded and unloaded in the phloem with the help of best supported theory?

2. a). Define the term "photosystem"
b). Briefly describe the photosystem I and II
c). Briefly describe the role the photosystem in dark reactions

3. a). Describe the Hatch Slack pathway of photosynthesis
b). How does the above mentioned process different from CAM plants path way

4. Write short notes on the following
 - a). Red drop effect
 - b). Formation of cell wall