

EASTERN UNIVERSITY, SRI-LANKA

FIRST YEAR FIRST SEMESTER EXAMINATION IN SCIENCE - 2002/2003
(June/July 2003)

BT-102, PLANT PHYSIOLOGY

Answer All Questions

Time: 01 hour

1) Write short notes on the following.

- (a) Limitation of transpiration by plant factors.
- (b) Photosynthetic pigments.
- (c) CAM plants.

2) (a) What is meant by "ascent of sap"?

- (b) List the differences between xylem transport and phloem transport?
- (c) Name and explain the most widely accepted hypothesis with regard to the mechanism of phloem transport?
- (d) What are the drawbacks of the hypothesis mentioned in "c"?