

Eastern University, Sri Lanka
First Year Second Semester Examination in Science - 2009/2010
BT102 - Plant Physiology - (May / June 2012)

Time: 2 hours

Answer all questions



1. Write short notes on:

- a). Plasmolysis.
- b). Electron transport complexes in mitochondrial membrane.
- c). CO₂ fixation in CAM plants.

2. How do plants control opening and closing of the stomata?

3. a). Why do plants need to exchange gases with the environment?
- b). What is plant transpiration?
- c). Distinguish different types of water movement through stomata and what are the factors involved?

4. Describe the theories of ascent of sap in plants.