## EASTERN UNIVERSITY, SRI LANKA

First Year, First Semester Examination in Science - 2013/2014 (October, 2015)

BT-102, Plant Physiology

10 MAR 2016

me: 2 hours

swer all questions

a. Explain the term "Water potential"	20 marks
b. Explain how water gets transferred from soil to xylem cells?	40 marks
c. Write the importance of transpiration in plants.	40 marks

a. Diagrammatically Illustrate the typical structure of stomata with suitable example. 30 ma			
b. List out the importance of stomata in plants?	20 marks		
With I is a Witness and anion of etamotal action	50 marks		

c. Write briefly K	ion mechanism of stomatal action.	50 marks
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## Briefly explain the following

a.	Mechanism of Sugar translocation in plants.	50 marks
b.	Dark reactions in C4 Plants.	50 marks

## Write short notes on the following:

a. Guttation and Imbibition	30 marks
b. Symplast and Apoplast	30 marks
c. Adhesive and Cohesive Forces	40 marks