

EASTERN UNIVERSITY, SRI LANKA
FACULTY OF SCIENCE

First Year First Semester Examination in Science – 2016/2017 (Aug./Sep. 2018)

BT 1011 - Plant Cell

Answer all questions

Time: 1.5 Hour

1. Write short notes on the following

- a) Plant cell wall
- b) Functions of membrane proteins
- c) Comparison of DNA & RNA
- d) Ribosomes

(25x4 = 100 Marks)

- 2. a) Write down the significance of cell division in living organisms (12 Marks)
- b) Outline the process that occurs in a cell during the *Interphase* (18 Marks)
- c) Give a brief description of the major steps of *Mitosis*. (60 Marks)
- d) How does meiosis produce a variety of cells while mitosis produces only clones? (10 Marks)