

EASTERN UNIVERSITY, SRI-LANKA

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

BT-101, CELL PHYSIOLOGY

LIBRA

Answer All Questions

Time: 01 hour

1) Distinguish between the following.

- (a) Diffusion and Osmosis.
- (b) Hypertonic solution and Hypotonic solution.
- (c) Simple pits and Bordered pits.
- (d) Amyloplast and Chloroplast.

2) Explain the following physiological statements.

- (a) "Vacuole is a dumping site of the plant cell"
- (b) "Plasmodesmata combine the individual units of the plant into one functional whole"
- (c) "Imbibition is a special kind of diffusion"
- (d) "Stomatal movement is not controlled by a single factor"