

SECOND EXAMINATION IN SCIENCE 2000/2001 First

Semester (April 2002)

BT 201 Developmental Physiology (Proper)

Answer All Questions

Time: 02 Hours

1.
Write short notes on the following
 - (a). Gibberellic acid (G.A) in seed germination.
 - (b). Parthenocarpy.
 - (c). CA apples.

2.
Explain the following statements:
 - (a). " Phytochrome acts as a 'switch' in flowering".
 - (b). " Dormancy facilitates plant survival".
 - (c). The Carrier concept mechanism, involved in mineral salt absorption in live plants, is an active process".

3.
Write briefly on
 - (a). the importance of potassium in plants.
 - (b). the features of potassium deficiency in plants.
 - (c). overcoming, soil acidity . .

4.
 - (a). Name the enzymes involved in biological nitrogen fixation
 - (b). Explain the reduction of nitrate to nitrite by microorganisms.
 - (c). Outline the process of nitrogen fixation in a legume nodule.