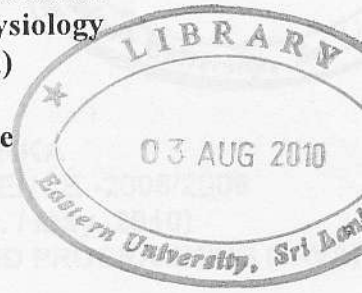


Eastern University, Sri Lanka
Second Examination in Faculty of Science
EXTBT-202 / Developmental Physiology
(Re-Repeat) - (Term System)

External Degree Programme



Time: 2 Hours

Answer all questions

1. Explain the role of the following;

- a). GA in germination of seeds
- b). ABA in plants under water stress.
- c). Motor cell response in nastic movements.

2. a). What is dormancy?

b). What factors determine seed dormancy?

c). Explain how they operate?

3. a). Define "essential elements"

b). List essential nutrients in plant nutrition.

c). Discuss the main role of any three essential elements in plant function

4. Compare the followings;

a). Scarification and Stratification

b). Short day plants and long day plants

c). Organic nitrogen and foliar nitrogen.