

91 OCT 2014

EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE-2006/2007

(APRIL-2014)

AGB 3102 CROP BREEDING AND TECHNIQUES

EXTERNAL DEGREE (REPEAT)

Answer all questions

This paper should be answered in English

Time: Two hours

1. Describe the pure line selection method to develop a variety in self-pollinated crop and how mass selection differs from it.

2. Explain the following:
 - a. Recurrent and donar parents in a back cross method
 - b. Heritability and its importance.

3. Describe the following:
 - a. Recurrent selection method to improve oil content in maize
 - b. Screening crop varieties against soil-borne pathogens.

4. Write short notes on:
 - a. Basic genetic resources.
 - b. Acclimatization
 - c. Incompatibility.