

Eastern University, Sri Lanka
Third Year First Semester Examination in Agriculture 2004 / 2005
AGB 3102- Crop Breeding and Techniques (3:30/30)

Answer all questions

Time: 2 Hours

1. Describe the procedure that can be used to incorporate rust resistance into an adapted variety of groundnut. Consider that rust resistance is controlled by a pair of recessive genes
2. Outline a procedure for the following.
 - a) "Screening varieties of rice against Blast disease .
 - b) Recurrent selection to improve seed oil content in maize.
3. Briefly explain the following;
 - a. Self-incompatibility
 - b. Derived genetic resources
4. Write short notes on
 - a. Male sterility and its maintenance
 - b. Domestication of crops
 - c. Inbreeding