



Eastern University, Sri Lanka

Final Year First Semester Examination in Agriculture 2008/2009

CC 4102: Biotechnology

Time allowed: 02 hours

Answer all questions

1. Discuss the potential uses of Agricultural Biotechnology with suitable examples.
2. Briefly describe ,
 - a. Recombinant DNA Technology
 - b. DNA Finger Printing
3. Write short notes on the following,
 - a. Plasmid vectors
 - b. Gene Library
 - c. Concepts of DNA replication
4. a. With illustrations, briefly explain the protocol for the establishment of meristem culture of Citrus.
b. Give the advantages of *in vitro* propagation over conventional vegetative propagation.