

**Eastern University, Sri Lanka**

**Final Year First Semester Examination in Agriculture - 2006/2007**

**(May/June 2015)**

**CC 4102: Biotechnology**

**External Degree**

**Time allowed: 2 hrs**

**Answer all questions**

---

1. Briefly explain,
  - a. The potential benefits and risks of Genetically Modified (GM) Foods. (10 marks)
  - b. The steps involved in the commercial production of
    - I. Lactic acid (08 marks)
    - II. Glutamic acid (07 marks)
2. Write an account on biofertilizers and their impacts on environmental friendly agriculture. (25 marks)
3. Briefly describe,
  - a. Application of biotechnology in crop improvement (15 marks)
  - b. Biogas production (10 marks)
4. Write short notes on following
  - a. Single cell protein as food substitute (08 marks)
  - b. Production of microbial enzymes (08 marks)
  - c. Restriction enzymes used in gene cloning (09 marks)