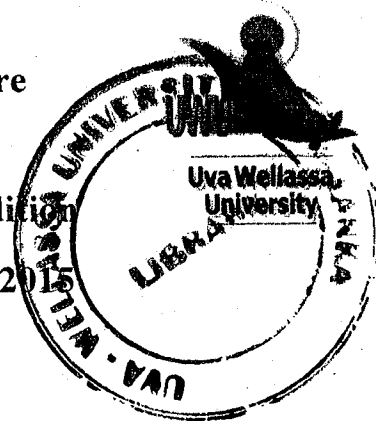


Uva Wellassa University
Faculty of Animal Science & Export Agriculture
B.Sc. in Export Agriculture
B.Sc. in Tea Technology & Value Addition
B.Sc. in Palm & Latex Technology and Value Addition

End Semester Examination September / October 2015
Year II Semester II

Agricultural Biotechnology (EAG 311- 2/0)



Instructions:

Answer all questions.

No. of questions : Two (02)

No. of pages : One (01)

Total marks allocated : 60%

Time : One hour (1hr)

PART III - ESSAY

Question 01

(30 Marks)

Evaluate the feasibility of applying different DNA Fingerprinting techniques to identify the parents of a child.

Question 02

(7.5 X 4 = 30 Marks)

Write short notes on four (04) of the followings;

- 2.1. Applications of Bioinformatics in Agricultural and Industrial sectors
- 2.2. Waste and waste water treatments using biotechnology.
- 2.3. Increase of industrial microbial products using biotechnology.
- 2.4. Solving the energy problem in the world using biotechnology
- 2.5. Molecular pharming of pharmaceutical proteins.
- 2.6. Transgenic plants to feed the world
- 2.7. Gene therapy for genetic diseases
- 2.8. Single cell proteins as protein substitution
- 2.9. Ethical consideration on utilization of GMOs and GMFs
- 2.10. Bio safety in Sri Lanka