



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTIONAL BASED PROGRAMME (IBP) DECEMBER SESSION

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN PLANT

BREEDING

KST 536: PLANT ECOLOGY AND EVOLUTION

DATE: FRIDAY, 29TH APRIL 2011

TIME: 9.00 A.M. – 12.00 P.M.

INSTRUCTIONS:

ANSWER ANY FOUR QUESTONS

1. Discuss primary succession and its relationship to secondary succession. (25 marks)
2. Using specific examples, discuss the Eu-symbiosis interactions between plant communities. (25 marks)
3. Discuss artificial selection and its contribution to plant evolution. (25 marks)
4. Write an essay on plant speciation. (25 marks)
5. Discuss the impact of light and temperature on plant communities and their respective adaptations. (25 marks)