



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE (CONSERVATION BIOLOGY)

SCB 305: RESTORATION ECOLOGY

DATE: Tuesday, 27th March, 2012

TIME: 11.00 a.m. – 1.00 p.m.

INSTRUCTIONS:

Answer **ALL** questions in Section A and any **ONE** in Section B. answers in Section A must be concise and written in the spaces provided in the question paper.

Section A: Short Answer Questions (5 marks each)

1. Briefly explain the of concept ecological restoration
2. Highlight **five** principles of good ecological restoration practice citing both in ecosystem and human systems

5. Briefly explain the ethical critiques surrounding restoration ecology

6.
 - a) Giving examples, define the term ecosystem degradation
 - b) Briefly explain the intricate link between Ecosystems and human well-being
7. Giving examples of associated degradations, highlight **five** human development issues leading to ecosystem degradation

8. Briefly explain the role of ecological restoration in conservation

Section B – Essay Questions (30 marks)

1. Discuss the five main anthropogenic drivers of biodiversity loss and ecosystem degradation
2. Discuss the causes and consequences of wetland ecosystem degradation explaining how they can be restored
3. Discuss the various phyto-remediation technologies explaining their application in ecological restoration of degraded soil and prevention of aquatic ecosystem degradation