



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

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

SCB 200: HISTORY OF NATURE

DATE: Monday, 26th March, 2012

TIME: 8.00 a.m. – 10.00 a.m.

INSTRUCTIONS:

Answer **ALL** questions in **Section A** and **ONE** question in **Section B**. Answers in **Section A** should be written in the spaces provided on the question paper.

SECTION A: Short Answer Question (5 marks each)

1. What are the significance of study of phylogeny?
2. Using appropriate example in each case, explain the following forms of organism interactions in nature

a) Commensalism

b) Amensalism

c) Antagonism

d) Symbiosis

e) Competition

3. Write short notes on energy flow in the ecosystem.

6. Outline the prezygotic barriers of reproduction isolation

8. Explain the mechanisms of evolution.

SECTION B: ESSAY (30 MARKS)

1. Write an essay on history of taxonomy.
2. Write an essay on speciation
3. Discuss how environmental changes affect organism survival