



SOUTH EASTERN KENYA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN DRYLAND ANIMAL SCIENCE

ANS 214: BIODIVERSITY AND CONSERVATION

DATE: 20TH APRIL 2017

TIME: 10.30 -12.30 PM

Instructions:

Answer all questions in Section A and any three in Section B

SECTION A (30 marks)

- Q1. a) Define the following terms: [4 marks]
i) Biodiversity
ii) Ecosystem stability
- b) State the levels of biodiversity [3 marks]
- Q2. a) Describe briefly overexploitation of biodiversity [4 marks]
b) List and briefly explain any five threats to biodiversity. [5 marks]
- Q3. Write short notes on how to measure the value of biodiversity. [8 marks]
- Q4. Explain how habitat fragmentation contributes to species extinction. [6 marks]

SECTION B (40 marks)

- Q5a) What is an indicator as used in biodiversity conservation [02 marks]
b. Discuss any six indicators critical for monitoring biodiversity [18 marks]
- Q6. Discuss any FOUR processes that regulate biodiversity changes. [20 marks]
- Q7. What is the contribution of biodiversity conservation to attainment of sustainable development goals in Kenya [20 marks]