

NATIONAL UNIVERSITY OF LESOTHO
DEPARTMENT OF ANIMAL SCIENCE
SECOND SEMESTER EXAMINATION 2022/23
REM 3503: CLIMATE CHANGE AND BIODIVERSITY CONSERVATION

TIME: 3 HOURS

TOTAL MARKS: 100

DATE: MAY 2023

INSTRUCTION: ANSWER ALL QUESTIONS. Each Question Carries 20 Marks

START EACH QUESTION ON A NEW PAGE.

QUESTION 1

Describe with the aid of example the services/ functions provided by rangeland ecosystems. (20)

QUESTION 2

Discuss the patterns of biodiversity in Lesotho (20)

QUESTION 3

Describe with examples five natural and human-induced causes of biodiversity loss/ decline (20)

QUESTION 4

The following are said to be the key challenges in addressing climate change in Lesotho and other African regions.

- (a) Insufficient cross-sectoral coordination within and between the governmental and non-governmental sectors;
- (b) Limited technical expertise and capacity to fund adaptation activities
- (c) Poor infrastructures;
- (d) Poverty and illiteracy;

Explain WITH EXAMPLES how the above pose a challenge in addressing climate change in Lesotho (20)

QUESTION 5

Discuss how policies and legislation implementation and enforcement adversely affect biodiversity conservation in Lesotho and how the challenge may be resolved (20)