

The National University of Lesotho

B.A. Supplementary Examinations

GES 4300: Environmental Management Techniques

August, 2023

Marks: 100

3 Hours

Instructions:

- Answer any **Four (4)** questions.
 - Where applicable illustrate your answer with equations and diagrams.
 - Each question carries 25 marks.
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Question 1

About 50% of the solar radiation directed towards the earth, actually reaches the surface of the earth. Discuss some of the main uses of this energy. [25]

Question 2

Fossil fuels are responsible for climate change. Discuss. [25]

Question 3

Transport uses the largest chunk of fossil fuels in Lesotho. Discuss how you would make the transport system of Lesotho more efficient if you were a minister of transport. [25]

Question 4

The world's terrestrial biomes show a distribution that corresponds to the earth's latitudes. Discuss. [25]

Question 5

Discuss why less energy is passed on in a food web and what happens to the energy that is lost from the system [25]

Question 6

Discuss how any three renewable forms of energy are generated and explain why they have not gained the popularity they deserve. [25]