



MANICALAND STATE UNIVERSITY OF APPLIED SCIENCES

FACULTY OF AGRIBUSINESS AND COMMERCE

DEPARTMENT: AGRICULTURAL ECONOMICS AND DEVELOPMENT

MODULE: HERITAGE BASED NATURAL RESOURCES MANAGEMENT

CODE: AEDT214

SESSIONAL EXAMINATIONS

FEBRUARY 2022

DURATION: 3 HOURS

EXAMINER: MRS P MADUDUDU

INSTRUCTIONS

1. *Select five questions*
 2. *Start a new question on a fresh page*
 3. *Total marks 100*
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QUESTION 1

- a) Define the term Natural Resources Management (3)
- b) State the origin and types of Natural Resources (8)
- c) Briefly explain the importance of Natural Resources (5)
- d) Using relevant examples, differentiate between Biotic and Abiotic Natural resources (4)

QUESTION 2

- a) What is sustainable resource development? (3)
- b) What are the obstacles to sustainable resource development? (6)
- c) List and discuss ways of conserving natural resources (7)
- d) Differentiate with examples renewable and non-renewable resources (4)

QUESTION 3

Forests are an essential component of the environment. Assuming that you have been appointed to occupy the position of a Natural Resources Manager under the Ministry of Environment, Climate, Tourism and Hospitality Industry, describe what you would regard as the ecological and economic importance of forests in Zimbabwe. Explain strategies you would put in place to ensure that forests are well conserved. (20)

QUESTION 4

An area has been earmarked for protection because it has been declared a key biodiversity hotspot. However, the local communities are directly dependent on the area's wild natural resources for their livelihoods. As a conservation manager, discuss the natural resource management approach you would recommend to balance ecological integrity and local livelihood needs highlighting the key biophysical, social and economic aspects that inform your approach? (20)

QUESTION 5

- a) Describe any two methods of water conservation (6)
- b) Discuss about sources of pollution, effects of pollution on water, air, soil and how it can be controlled (14)

QUESTION 6

- a)** Distinguish between renewable and non-renewable energy resources giving examples? (6)
- b)** Discuss advantages and disadvantages of using coal as an energy source in the context of Zimbabwe? (14)

END OF EXAMINATION