



FACULTY OF NATURAL RESOURCES MANAGEMENT AND AGRICULTURE

DEPARTMENT OF ANIMAL SCIENCE

BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE

BACHELOR OF SCIENCE HONOURS DEGREE IN CROP SCIENCE

NATURAL RESOURCES MANAGEMENT (LAS 2202)

SEMESTER 2 EXAMINATION

MAY/JUNE 2023

Time Allowed: 3 hours
Special Requirements: None
Examiner's Name: T. GUMBO

Instructions to Candidates:

1. The paper consists of seven questions, answer ***ALL*** questions in ***Section A*** and ***any two*** in ***Section B***.
2. Marks for each question are shown in brackets. Where a question has subdivisions, the marks for each subdivision are given.

MARK ALLOCATION

QUESTION	MARKS
SECTION A	60
SECTION B	40
TOTAL ATTAINABLE MARKS	100

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SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

Question 1

a) Discuss the importance of the following;

- i) Sustainable development [2]
- ii) Natural resource management [2]
- iii) Biodiversity conservation [2]
- iv) National heritage [2]

b) *“At Hwange National Park, the animals’ natural habitats are being disturbed by coal mining and water sources in the national park are now dry due to climate change, forcing animals such as elephants to encroach human settlements in search of water sources resulting in human-wildlife conflicts.”*

Comment on this statement and propose solutions to the human-wildlife conflict faced by these villagers. [12]

Question 2

a) ‘Decolonization of the mind’ is indispensable in safeguarding the Heritage in Zimbabwe. Discuss. [10]

b) *“The grave of Cecil John Rhodes has enabled us as locals to improve our livelihoods through selling various products to tourists who come to see the grave. On the other hand, there is a group of locals who want the grave removed from Matobo Hills so that they can once again use the site for their traditional and cultural events.”*

Critically examine this statement, and propose pragmatic solutions to this scenario. [10]

Question 3

a) You have been employed as a consultant at the Ministry of Environment, Climate, Tourism and Hospitality Industry; use examples to outline the characteristics of inexhaustible resources found in Zimbabwe. [10]

b) Give a detailed account on the relevance of these two Acts of parliament; the Environmental Management Act and the Parks and Wildlife Act, to natural resource management in Zimbabwe. [10]

SECTION B. ANSWER ANY TWO QUESTIONS IN THIS SECTION

Question 4

a) Discuss how the following contribute to natural resource degradation;

- i. Poor agricultural practices. [3]
- ii. Improper land use land planning. [3]
- iii. Plastic wastes. [3]

- iv. Landfills. [3]
- b) Discuss the concept of ecological complexes and its relevance to natural resources management. [4]
- c) State the UNESCO world heritage sites found in Zimbabwe. [4]

Question 5

- a) Describe the categories of natural resources based on their stage of development. [12]
- b) As the recently appointed Chief Scientist in Insiza District, discuss the roles of key stakeholders involved in Community Based Natural Resource Management. [8]

Question 6

- a) Why are historical resources and cultural values important in modern day Zimbabwe? [5]
- b) Discuss the possible measures which can be implemented in Zimbabwe to ensure perpetuity of historical resources and cultural values. [10]
- c) Equitable allocation of resources is indispensable in natural resource management. Discuss. [5]

Question 7

- a) What are the adverse impacts of climate change on natural resources? Suggest solutions to alleviate the impacts. [12]
- b) Outline the importance of CAMPFIRE in Zimbabwe. [8]

"We might fail to do everything on earth but we should never fail to conserve nature"