



“Investing in Africa’s Future”

COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

DEPARTMENT OF ENVIRONMENTAL STUDIES AND NATURAL RESOURCES

NANR 212 INTRODUCTION TO NATURAL RESOURCES MANAGEMENT

END OF FIRST SEMESTER FINAL EXAMINATIONS

APRIL 2022

LECTURER: MS. M. C. KUREHWATIRA

DURATION: 3 HOURS

INSTRUCTIONS

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

Section A

Question 1

a) Define the following:

- i. Natural resources and [2 marks]
- ii. Sustainable Development, [2 marks]

b) With the aid of a diagram, describe the domains of sustainable development.

[8

marks]

c) Describe any three principles of Integrated Environmental Management.

[6

marks]

d) Describe any three functions of management.

[8 marks]

e) With the aid of a diagram describe in detail the sewage treatment process at Gimboki sewage treatment plant in Mutare.

[14 marks]

Section B

Question 2

Discuss the history of natural resources use and management in Africa.

[20 marks]

Question 3

Africa is a continent endowed with natural resources. Discuss the natural resources problems facing Africa today.

[20 marks]

Question 4

With the aid of a diagram, clearly show your understanding of any one of the following approaches to natural resources management, outlining the advantages and disadvantages of the chosen approach.

a) Integrated Environmental Management

b) Cleaner Production Assessment

[20 marks]

Question 5

With the aid of relevant examples, discuss the successes and challenges of CBNRM in Africa.

[20

marks]

Question 6

Give a detailed description of the natural resources found in Nyanga National Park.

[20

marks]

END OF EXAMINATION PAPER