



NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF HEALTH, NATURAL RESOURCES AND APPLIED SCIENCES

SCHOOL OF AGRICULTURE AND NATURAL RESSOURCES SCIENCES

DEPARTMENT OF AGRICULTURAL SCIENCES AND AGRIBUSINESS

QUALIFICATION: BACHELOR OF SCIENCE IN AGRICULTURE	
QUALIFICATION CODE: 07BAGA	LEVEL: 7
COURSE CODE: SUA 721S	COURSE SUSTAINABLE URBAN AGRICULTURE
DATE: JANUARY 2025	PAPER: 2
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Alex Meroro
MODERATOR:	Dr Ibo Zimmermann

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL the questions.2. Write clearly and neatly.3. Number your answers clearly.

THIS QUESTION PAPER CONSISTS OF 3 PAGES (Including this front page)

QUESTION 1

You have a vegetable garden, poultry, rabbits, goats, and a dam. Explain to Urban dwellers what each component has to offer to others and what it needs in return from other.

(20)

QUESTION 2

Explain why sustainable urban agriculture its importance

(6)

QUESTION 3

Explain the problem experienced with sustainable urban agriculture

(4)

QUESTION 4

4.1. What are the four things needed to create ideal environment to compost?

(4)

4.2. Explain the disadvantages of composting in urban settings

(7)

QUESTION 5

Define the term permaculture systems

(4)

QUESTION 6

6.1. Explain the principles of permaculture

(6)

6.2. Explain the concepts of natural systems

(6)

QUESTION 7

Explain the significance of different animals in permaculture systems

(7)

QUESTION 8

Explain Vermicompost

(6)

QUESTION 9

Explain why sustainable Urban Agriculture is on the rise around the informal and urban settlement in Windhoek or Namibia as a whole and globally

(10)

QUESTION 10

Define the term Vertical farming

(2)

QUESTION 11

Explain the benefits of vertical farming

(4)

QUESTION 12

Describe the disadvantages associated with Sustainable urban agriculture (6)

QUESTION 13

What are the advantages of vertical farming? (6)

QUESTION 14

Define the term green infrastructures? (2)

TOTAL MARKS {100}