



NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF HEALTH, NATURAL RESOURCES AND APPLIED SCIENCES

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES SCIENCES

DEPARTMENT OF AGRICULTURAL SCIENCES AND AGRIBUSINESS

QUALIFICATION: BACHELOR OF SCIENCE IN AGRICULTURE	
QUALIFICATION CODE: 07BAGA	LEVEL: 7
COURSE CODE: CVA 621S	COURSE NAME: CONSERVATION AGRICULTURE
DATE: JANUARY 2025	PAPER: 2
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER(S)	ALEX MERORO
MODERATOR:	CLIFFORD AKASHAMBATWA

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

This paper consists of THREE pages including this front.

QUESTION 1

Explain the role or rationale for promoting integrated crops and livestock management in Conservation Agriculture (CA) systems. (8)

QUESTION 2

Describe integrated crop and livestock farming in CA systems (6)

QUESTION 3

Explain why conservation agriculture is important in animal agriculture (5)

QUESTION 4

How does conservation agriculture benefit you? (5)

QUESTION 5

Describe the difference between primary and secondary tillage (8)

QUESTION 6

Explain the technical difference between organic agriculture and conservation agriculture (6)

QUESTION 7

Is conservation agriculture climate smart why / why not? Also, explain what is the best sustainable approach for soil quality indicators? (4)

QUESTION 8

Does adoption of CA lead to increase compaction of agricultural soils and nutrients supplies coming from under CA cropping systems? (4)

QUESTION 9

How are bacteria useful in conservation and modern farming and why micro-organisms are essential for agriculture under climate changes scenario? (6)

QUESTION 10

How can conservation agriculture benefit vulnerable people e.g. women and children, HIV / AIDS patients, and youth? (8)

QUESTION 11

Describe the economic consequences of soil degradation and what kind of policies can reduce the degradation? Please use your home village nor country specific of interest to you, as a point of reference in your discussion (15)

QUESTION 12

Two farmers in Mukwe constituency of the Kavango east region and Hardap regions has a problem with wind erosion and what advice on measures to control will you advise them (15)

Question 13

Explain the principles of Sustainable soil management (10)

TOTAL MARKS (100)