



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH, APPLIED SCIENCE AND NATURAL RESOURCES

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES SCIENCES

QUALIFICATION: Bachelor of Science in Agriculture	
QUALIFICATION CODE: 07BAGA	LEVEL: NQF Level 6
COURSE: Sustainable crop production	COURSE CODE: SCP621S
DATE: January 2023	
DURATION: 3 Hours	MARKS: 100

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER(S):	Mr C. L. Akashambatwa
MODERATOR:	Mr. R. Kamukuenjandje

**THIS QUESTION PAPER CONSISTS OF 3 PAGES
(INCLUDING THIS FRONT PAGE)**

INSTRUCTIONS

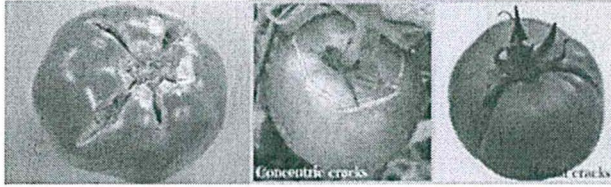
1. Answer ALL the questions.
2. Write clearly and neatly.
3. Number the answers clearly.

PERMISSIBLE MATERIALS

1. Examination paper.
2. Examination script.

Question 1

1.1. Identify and fully explain the problem in the picture bellow, and explain how it can be prevented [10]



1.2. What is staking in horticulture and what is its purpose? [4]

1.3. Fully describe the climatic and soil requirements of lettuce [10]

1.4. Explain how lettuce should be stored and transported after harvesting [7]

1.5. Distinguish between deciduous and evergreen fruit trees. [5]

[36]

Question 2

2.1. Give six (6) objectives of pruning [6]

2.2. Describe the soil requirements of papaya fruit [3]

2.3. Name three seedless grapes produced in Namibia, and mention the location of production [4]

2.4. What is training of a grapevine? [5]

2.5. Describe the soil requirements of Okra [5]

[23]

Question 3

3.1. Differentiate between aggregate and multiple fruit and give examples of each. [4]

3.2. Describe the soil requirements of Asparagus [5]

3.3. List the stages of fruit development in pome and stone fruits [10]

3.4. What are the requirements of a successful cross pollination in fruit trees? [4]

3.5. When is pruning of fruit trees done and why during that time of the year? [6]

[29]

Question 4

4.1. List five different types of maize. **[5]**

4.2. List five environmental factors that can influence the pollination and fertilization process in cereal crop production.

[5]

4.3. Explain why legume crops are important in crop rotation with other crops and give one examples of a legume crop. **[2]**

[12]

TOTAL MARKS [100]