



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION

DEPARTMENT OF TECHNICAL, VOCATIONAL EDUCATION, AND TRAINING

QUALIFICATION: MUST BRIDGING PROGRAM, TVET AGRICULTURE SPECIALISATION	
QUALIFICATION CODE: 04NBTA	LEVEL: 4
COURSE CODE: FOC411S	COURSE NAME: FUNDAMENTALS OF CROP PRODUCTION
SESSION: JULY 2024	PAPER: 2
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Ms. Nerlina Kasaona
MODERATOR:	Mr. Alexander Meroro

<p style="text-align: center;">INSTRUCTIONS</p> <ol style="list-style-type: none">1. Answer all questions.2. Write clearly and neatly.3. Section A and B should be answered in the examination book provided.4. Number your answers correctly.5. Use black or blue ink pen.
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THIS QUESTION PAPER CONSISTS OF 3 PAGES (Including this front page)

SECTION A TRUE OR FALSE

The following statements are True or False. Write True (T) if the Statement is correct or False (F) if it is incorrect. [10 MARKS]

1. Cereal crops are members of the grass family, grown for their seeds. (2)
2. The growing of two or more crops on the same piece of land is known as monoculture. (2)
3. Olericulture includes production and marketing of vegetables. (2)
4. Grafting is a technique by which two plants are joined together and eventually grow together to become one. (2)
5. Micro-propagation is the production of plants under sterile laboratory conditions. (2)

SECTION B STRUCTURED QUESTIONS

QUESTION 1

[19 MARKS]

- 1.1. Name the four stages at which tomatoes are picked. (3)
- 1.2. Name the three categories of vegetable industry. (3)
- 1.3. Mention two pests /diseases that attack tomatoes. (4)
- 1.4. Describe the climatic requirements of sweet potatoes. (6)
- 1.5. How is maize classified botanically? (3)

Family:

Genus:

Species:

QUESTION 2

[32 MARKS]

- 2.1. Define a simple fruit and give three examples. (4)
- 2.2. What are the various ways of obtaining nitrogen from the soil? (4)
- 2.3. Explain the difference between deciduous and evergreen fruit trees. (6)
- 2.4. Name one Irrigation systems and discuss three advantages and disadvantages of the irrigation system you mentioned. (5)
- 2.5. Explain the difference between maturity and ripeness. (6)
- 2.6. What are the factors to consider when choosing sunflower cultivars? (3)
- 2.7. Name two vegetables that are classified based on the use of leaves another two classified on the use of underground parts. (4)

QUESTION 3

[39 MARKS]

- 3.1. Name the three goals of sustainable Agriculture. (3)
 - 3.2. Briefly explain the importance of a good soil structure. (5)
 - 3.3. Explain the advantages of crop rotation. (6)
 - 3.4. Discuss crop residues and Vegetative cover as a method of fertility management. (7)
 - 3.5. Explain what makes Macronutrients differs from Micronutrient and give two examples of each. (8)
 - 3.6. Discuss fruit tree propagation. (8)
 - 3.7. Name two species of the Solanaceae family. (2)
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TOTAL MARKS :100

[END OF PAPER]