



**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: JUNE 2024	PAPER: 1
DURATION: 3 HOURS	MARKS: 100

FIRST 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 answer correctly.5. Use black or blue ink pen.

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. Indeterminate tomato plants are more compact and bush-like, bearing fruit all at once then die. (2)
2. Salinization refers to the accumulation of neutral soluble salts in soils. (2)
3. In a drip irrigation system water is delivered directly to the root zone through a network of tubes and emitters. (2)
4. Macro elements are known as trace elements. (2)
5. Agroforestry is known as integration of trees into farming systems. (2)

SECTION B STRUCTURED QUESTIONS

QUESTION 1 [15 MARKS]

- 1.1. Define sustainable Agriculture. (3)
- 1.2. Give the biological name of the following common named crops: (3)
 - 1.2.1. Tomatoes
 - 1.2.2. Maize
 - 1.2.3. Sweet potatoes
- 1.3. Name the three (3) types of hardwood cuttings. (3)
- 1.4. Explain what is meant by "hardening off" of seedlings. (3)
- 1.5. Name the three stages of ripening in maize. (3)

QUESTION 2 [38 MARKS]

- 2.1. Explain the role of leguminous crops in crop productions. (4)
 - 2.2. Briefly discuss the harvesting of Maize. (6)
 - 2.3. List the four (4) factors that influence windbreak efficiency. (4)
 - 2.4. Give four (4) objectives of pruning. (4)
 - 2.5. Discuss the propagation of sweet potatoes comprehensively. (5)
 - 2.6. Name the different types of Maize. (5)
 - 2.7. Differentiate between commercial and small-scale farming. (4)
 - 2.8. Discuss at least two factors, which influence the choice of irrigation systems. (6)
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QUESTION 3

[37 MARKS]

- 3.1. Name four major components of mineral soil consists of. (4)
- 3.2. What are the remedies to acidic soils? (3)
- 3.3. Discuss the different cropping systems. (10)
- 3.4. What are the principles of sustainable Agriculture? (4)
- 3.5. Mention the function of ethylene gas in fruits. (3)
- 3.6. What is the role of government and marketing boards in crop production? (4)
- 3.7. Discuss the techniques of Asexual Reproduction. (9)
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TOTAL MARKS :100

[END OF PAPER]