



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**

<b>QUALIFICATION: BACHELOR OF SCIENCE IN HORTICULTURE</b>	
<b>QUALIFICATION CODE: 07BHOR</b>	<b>LEVEL: 7</b>
<b>COURSE CODE: CPN610S</b>	<b>COURSE NAME: CROP PRODUCTION</b>
<b>SESSION: JULY 2023</b>	<b>PAPER: THEORY</b>
<b>DURATION: 3 HOURS</b>	<b>MARKS: 100</b>

<b>SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER</b>	
<b>EXAMINER(S)</b>	Mr. C. L. Akashambatwa
<b>MODERATOR:</b>	Dr G. N. Kanguuehi

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

**PERMISSIBLE MATERIALS**

1. Examination question paper
2. Answering book

**THIS QUESTION PAPER CONSISTS OF 2 PAGES (Including this front page)**

### **Question 1**

- 1.1. There are two basic types of plant propagation in fruit tree production. Name and briefly explain them. [6]
- 1.2. Fully describe the stages of development of the deciduous fruit tree. [8]
- 1.3. Discuss in detail the Banana's climatic, soil, and fertiliser requirements. [12]
- 1.4. Describe the sowing methods of Banana. [4]

### **Question 2**

- 2.1. Fully describe the climatic and soil requirements of lettuce. [10]
- 2.2. Differentiate between aggregate and multiple fruit and give examples of each. [4]
- 2.3. Describe the soil requirements of sweet potato. [6]

### **Question 3**

- 3.1. Briefly explain the four (4) factors that have an influence on the tillering ability of a wheat cultivar. [8]
- 3.2. List five different types of maize. [5]
- 3.3. Briefly explain four different stages of soil cultivations intended for growing wheat. [8]
- 3.4. Name at least four climate resilience seeds used in experiments at MADI. [4]

### **Question 4**

- 4.1. Differentiate between early vegetative development stage and flowering stage for maize. [10]
- 4.2. Briefly explain the four (4) factors that have an influence on the tillering ability of a wheat cultivar. [8]
- 4.3. Describe in detail the soil requirements of tomato crop. [5]
- 4.4. Explain why legume crops are important in crop rotation with other crops and give one examples of a legume crop. [2]

**TOTAL [100]**