



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY
FACULTY OF NATURAL RESOURCES AND SPATIAL SCIENCES**

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES SCIENCES

QUALIFICATION: BACHELOR OF AGRICULTURE	
QUALIFICATION CODE: 07BAGR	LEVEL: 6
COURSE CODE: HCT620s	COURSE NAME: HORTICULTURE
SESSION: JANUARY 2020	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

SUPPLEMENTARY / SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	MR. C. L. AKASHAMBATWA
MODERATOR:	DR. F. N. Mwazi

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

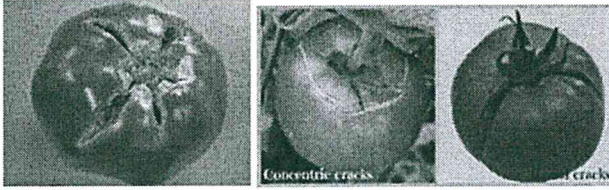
PERMISSIBLE MATERIALS

1. All written work MUST be done in blue or black ink
2. No books, notes and other additional aids are allowed

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

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]

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]

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]
- 3.6. Describe the soil requirements of sweet potato [6]
- 3.7. Describe the soil requirements for grapes [3]
- 3.8. Name the fruit that originate from one ovary and give three examples of this fruit [3]

TOTAL MARKS [100]