



**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: NOVEMBER 2019	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

FIRST 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 1 PAGES (excluding this front page)

Question 1

- 1.1. Explain what horticulture is.? [2]
- 1.2. Name at least any four of the horticulture division/branches [4]
- 1.3. What is the division in horticulture which deals with vegetables and grapes called? respectively [2]
- 1.4. Identify the three different categories of markets found under vegetable industry [3]
- 1.5. There are various ways in horticulture on how vegetables are classified, list all the classifications as taught in class [7]

Question 2

- 2.1. List the categories of vegetables under botanical classification and give two examples of crops per category. [10]
- 2.2. When establishing a seedbed, what factors do you have to take into considerations? And briefly explain each [10]
- 2.3. What is Hardening off of Seedlings? [2]
- 2.4. Explain why is hardening off of seedling necessary? [4]
- 2.5. What are Cole crops? [2]
- 2.6. Describe the climatic requirements of cabbage [2]
- 2.7. What are some of the advantages of transplanting and when should it be done ? [5]
- 2.8. How should you treat your Cole crop after harvest? [1]
- 2.9. Describe the soil requirements of tomato crop fully [5]
- 2.10. Fully describe Blossom end rot deformation in tomato plant and how can it be controlled? [8]

Question 3

- 3.1. There are two basic types of plant propagation in fruit tree production. Name them and briefly explain them [6]
- 3.2. Fully describe the stages of development of the deciduous fruit tree [9]
- 3.3. Storage life of different fruits is influenced by certain factors, name and explain these factors which will lead to eventual ripen fruits in storage [8]
- 3.4. Full describe Banana's climatic, soil, and fertiliser requirements [8]
- 3.5. Describe the sowing methods of Banana [4]

TOTAL MARKS [100]
