



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH, APPLIED SCIENCE AND NATURAL RESOURCES

Department of Agriculture and Natural Resources Sciences

QUALIFICATION: Bachelor of Science in Horticulture	
QUALIFICATION CODE: 07BHOR	LEVEL: 6
COURSE: Crop production	COURSE CODE: CPN610S
DATE: June 2022	SESSION: June
DURATION: 3 Hours	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S):	Mr. C. L. Akashambatwa
MODERATOR:	Dr G. Kangueehi

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

PERMISSIBLE MATERIALS

1. Examination question paper

THIS QUESTION PAPER CONSISTS OF 3 PAGES (Including 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.** Describe fully pollination and fertilization in Zea mays. [5]
- 2.2.** Explain the different tillage practices. [6]
- 2.3.** Fully explain tillage implements used for agronomic purposes and their purposes. [4]
- 2.4.** Pearl Millet is of economic value to Namibia, discuss the new varieties developed after independence and list the characteristics obtained with the improved varieties. [6]

Question 3

- 3.1.** Name and discuss various ways of obtaining nitrogen requirement in a maize field. [8]
- 3.2.** Discuss fully the climatic requirements of cowpeas. [10]
- 3.3.** Briefly explain the economic importance of sunflower. [6]
- 3.4.** Why is Pearl millet widely adapted to extreme environments? [2]

Question 4

- 4.1.** There are two basic types of plant propagation in fruit tree production. Name them and briefly explain them. **[6]**
- 4.2.** Describe the different developmental stages of deciduous fruit tree. **[9]**
- 4.3.** Fully describe Banana's climatic, soil, and fertiliser requirements. **[8]**
- 4.4.** Describe the sowing methods of Banana. **[4]**
- 4.6.** Briefly explain the four (4) factors that have an influence on the tillering ability of a wheat cultivar. **[8]**

[END]