



**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**

QUALIFICATION: BACHELOR OF SCIENCE IN HORTICULTURE	
QUALIFICATION CODE: 07BHOR	LEVEL: 7
COURSE CODE: VPP620S	COURSE NAME: VEGETABLE PHYSIOLOGY & PRODUCTION
DATE: JANUARY 2025	PAPER: 2
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER(S)	MR. CLIFFORD AKASHAMBATWA
MODERATOR:	DR. EDGAR MOWA

INSTRUCTIONS	
1.	Answer all the questions.
2.	Write neatly and clearly.
3.	Mark all answers clearly with their respective question numbers.
4.	All written work MUST be done in blue or black ink.
5.	No books, notes and other additional aids are allowed.

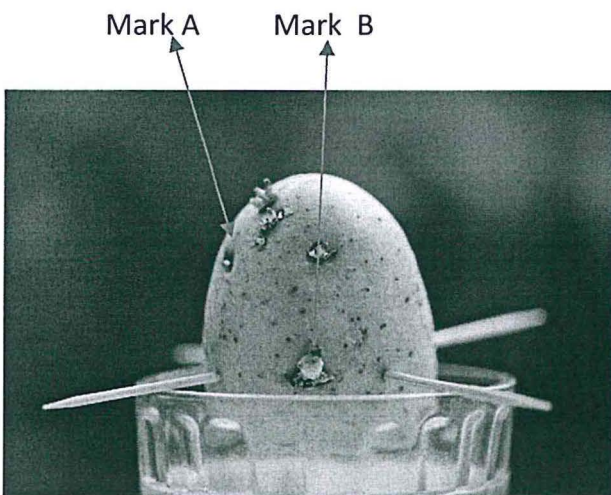
PERMISSIBLE MATERIALS

1. Examination Question paper
2. Examination Answer booklet

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

Question 1

- 1.1. Discuss the categories of Integrated Weed Management (IWM) program [20]
- 1.2. Explain what is Turgid and Flaccid state of plant, and aid the explanation with a clear drawing explaining what is happening [10]
- 1.3. One of the aspects of sustainable crop and vegetable production is “soil healthiness”, what does this entail? [4]
- 1.4. Distinguish between organic and conventional agriculture [4]
- 1.5. Mention ten [10] of the benefits of soil cultivation [10]
- 1.6. Explain why is climate knowledge important in crop production sphere? [2]
- 1.7. Identify the marks A and B and briefly explain their purposes [6]



Question 2

- 2.1. When establishing a seedbed, what factors do you have to take into considerations? And briefly explain each [10]
- 2.2. Name and discuss various ways of obtaining nitrogen requirement in a crop field. [8]
- 2.3. Identify the pictures below and then explain their purposes [6]
- 2.4. Explain why is hardening off of seedling necessary? [4]
- 2.5. Explain what a dark room in vegetable nursery production is and what is its purpose? [4]

2.6. Name the material used on top of seedling trays in the Dark room and explain why it is preferred to normal growth medium **[2]**

2.7. Explain briefly the soil requirements of potatoes. **[10]**

TOTAL [100]