

## 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: FPP620S	COURSE NAME: FRUIT PHYSIOLOGY AND PRODUCTION	
DATE: JANUARY 2025	PAPER: 2	
DURATION: 3 HOURS	MARKS: 100	

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER		
EXAMINER(S)	DR EDGAR MOWA	
MODERATOR:	DR GRACE KANGUEEHI	

## **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. Calculator
- 2. Examination paper
- 3. Examination script

THIS QUESTION PAPER CONSISTS OF 2 PAGES (Excluding This Front Page)

SECTION A: SHORT/LONG ANSWER QUESTIONS	
Question 1 [4	4 MARKS]
Define the following terminologies:	
1.1 Anthocyanins	
1.2 Layering	
1.3 Budding	
1.4 Cation Exchange Capacity (CEC)	
Question 2 [4	4 MARKS]
2.1 Give four (4) objectives of pruning.	
Question 3 [5	MARKS]
3.1 What are the advantages of propagation by tissue culture?	
Question 4	6 MARKS]
4.1 Delayed foliation is an abnormal physiological morphological condition if trees did renough cold in rest. Give any four (6) symptoms of delayed foliation.	
Question 5 [6	MARKS]
5.1 Distinguish between cleft budding and approach budding:	
Overtice C	NAA DIGE
Question 6 [8	B MARKS]
6.1 What are the conditions for grafting to be successful?	

Question 9 [13 MAR]  9.1 Discuss the factors determining the characteristics of a root system.  Question 10 [15 MAR]  10.1 Describe viticultural activities at each of the 9 phenological stages of grapes.  Question 11 [20 MAR]	Question /	[9 MARKS]
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	Question 11	[20 MARKS]
END OF QUESTION PAPER	END OF QUESTION PARED	