

### ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

**General Certificate of Education Advanced Level** 

# **HORTICULTURE**

6024/3

PAPER 3 Practical Test

SPECIMEN PAPER

2 hours 30 minutes

Additional materials:

Answer paper,

Graph paper,

As listed in Instructions to Supervisors,

Scientific Calculator.

**TIME** 2 hours 30 minutes + 10 minutes preparation time.

#### INSTRUCTIONS TO CANDIDATES

Write your name, Centre number and candidate number in the spaces at the top of this page and on every page of your answer paper. This paper consists of **three** questions. Answer **all** questions. Marks are given in brackets [] at the end of each question or part question.

You are advised to spend the first 10 minutes carefully reading through the whole paper before answering any questions. Spend at least 40 minutes on each question. All writing must be in blue or black ink except for diagrams which must be drawn in pencil. You are reminded of the need for good English and clear presentation in your answers.

FOR EXAMINER'S USE		
1		
2		
3		
TOTAL		

This specimen paper consists of 6 printed pages and 2 blank pages.

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©ZIMSEC Specimen paper [Turn over

The soluti	olutions provided on.	are distilled	water, <b>0,5</b> M	I sucrose solu	tion and <b>1M</b> suc	
Proce	ed as follows:					
3. Ro 4. Pl <u>N</u> 5. A	ice 3 equal potator ecord each weight ace one cube into B: You may fter 30 minutes, record the final magnetic states.	t in the table each of the proceed to emove the po	provided, solutions and the next que	d leave them festion.		
(a)	<b>(i)</b>					
	Solution	Initial	Final Mass	Change in Mass	% Change	
		mass	Mass	III IVIASS	in mass	
	Distilled water					
	Distilled water 0,5m					

[1]

	(iv)	How can a farmer use the knowledge from this experiment to e good crop growth?
<b>(b)</b>	Discu	uss the effects of drought on plants.
		vided with samples of horticultural plants. Identify the samples of plants by their common names:
(a)	(i)	HS2
		HS3
		HS3 HS4
		HS4

6024/3 Specimen paper

HS7

				[1]
	(ii)	Classify the samples of the horticultural plants into named gr	roups.	
	(iii)	Describe the design features of containers of pot plants in rel to their functional properties.	lation	[6]
			-	
			_	[3]
<b>(b)</b>	(i)	Describe how ornamental plants are groomed.	_	[ی]
			-	
		6024/3 Specimen paper	_	[2]

		(ii)	Explain the importance of ornamental plants.	
				[3]
3	You (a)		en provided with <b>HS8</b> to study the sexual reproduction parts.  sine sample <b>HS8</b> using a magnifying lens and identify any <b>five</b> parts.	
				[5]
	(b)	Descr	ribe the functions of the identified parts in <b>HS8</b> .	
				[5]

(c)	<b>(i)</b>	Describe the features of <b>HS8</b> that favour self pollination.
	(ii)	Describe features of <b>HS8</b> which makes it suitable for insect pollination.
( <b>d</b> )	Outli	ne mechanisms that promote cross pollination in <b>HS8</b> .

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