Excluding examiner comments





R2104

UNDERSTANDING PLANT PROPAGATION

Level 2

Monday 5 February 2024

15:20 - 16:10

Written Examination

Candidate Number:	
Candidate Name:	
Centre Name:	

IMPORTANT – Please read carefully before commencing:

- i) The duration of this paper is **50** minutes;
- ii) **ALL** questions should be attempted;
- iii) **EACH** question carries **10 marks**;
- iv) Write your answers legibly in the spaces provided. It is **NOT** necessary that all lined space is used in answering the questions;
- v) Use **METRIC** measurements only;
- vi) Use black or blue ink only. Pencil can be used for drawing purposes only. Ensure that all diagrams are labelled accurately with the line touching the named object;
- vii) Where plant names are required, they should include genus, species and where appropriate, cultivar;
- viii) Where a question requires a specific number of answers; only the first answers given that meet the question requirement will be accepted, regardless of the number of answers offered;
- ix) Please note, when the word 'distinct' is used within a question, it means that the items have different characteristics or features.

Ofqual Unit Code D/505/2965

Please turn over/.....

i) seed ii) vegetative			
by completing the table	e below.		
	Seed	Vegetative	
Benefit 1			
Daniel C			
Benefit 2			
Limitation 1			
Limitation 2			
Limitation 2			
Name TWO distinct pla	ants that produce ortho	odox (drv) seeds	

Please see over/.....

De (S	escribe how to prepare an outdoor seedbed. econdary cultivation only)	M
	ame ONE vegetable plant which produces large seeds that can be direct sown in en ground.	
op 		
op 	en ground.	
op 	en ground.	
op 	en ground.	
op 	escribe how to sow the seed named in b) in open ground.	
op 	escribe how to sow the seed named in b) in open ground.	
op 	escribe how to sow the seed named in b) in open ground.	
op 	escribe how to sow the seed named in b) in open ground.	
op 	escribe how to sow the seed named in b) in open ground.	
op 	escribe how to sow the seed named in b) in open ground.	

Q3 a) Explain	what is	meant by	the fo	ollowing	terms b	y comp	leting tl	he table	below:

Term	Meaning
A clone	
Juvenility	
Wounding	
Heel cutting	

b)	Name ONE	plant that can	be propagated	by EACH o	of the following	means
----	-----------------	----------------	---------------	------------------	------------------	-------

i)	softwood	cutting
----	----------	---------

ii)	deciduous hardwood	44:
111	necialions parawood	CHITTING
<i>,</i>	accidacac ilaiawoca	Outiling

i)			 -	-	 	-	-	 -	 	-	-	 -	-	 		 -	-	-	-	 -	-	-	-		 -	-	-	 	 -	-	 	-	-	 	-	-	 -	-	 -	 -	-	 	-	 	-	-									
ii)) .	 													 																																								

c)	State ONE	benefit and ONE limitation of each type of each type of cutting by
	completing	the table below:

	Benefit	Limitation
Softwood cutting		
Hardwood cutting		

Total Mark

MARKS

•	Describe the characteristics of TWO NAMED bulky materials suitable for a growing media for vegetative propagation.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	
	State FOUR ways that water loss can be reduced when rooting softwood cuttings.	

the follow	ving headings:	
i) ii) iii)	preparation of the cuttings (not collection) insertion of the cuttings and growing media rooting environment	
i)		
ii)		
iii)		

headings		
i) ii) iii) iv)	time of year preparation of cutting insertion suitable environment for rooting	
Named o	conifer	
i)		
ii)		
iii)		
111)		
iv)		

©These questions are the property of the Royal Horticultural Society.

They must not be reproduced or sold.

The Royal Horticultural Society, Wisley, Woking, Surrey GU23 6QB.
Charity Registration Number: 222879/SC038262