THE OPEN UNIVERSITY OF SRI LANKA

B.Sc. DEGREE PROGRAMME - 2004/2005

BOTANY -LEVEL 05

ASSESSMENT TEST II - (NO BOOK TEST)

BTU 3103/BTE 5103 - PLANT GROWTH AND DEVELOPMENT



•	1	Ĭ	Registration No.
DATE:	23 rd Febru	ary 2006	TIME: 4.00 p.m 5.00 p.m.
ANSWER	<u>ALL</u> QUES	TIONS ON THE SPA	CE PROVIDED.
(i), a)		· ·	egroups depending on their response to day
	i		
		•••••••••••••••••••••••••••••	
b)		xplain the relationshi	p between the critical night length of plants ne pigment.

ii. Giving reasons state whether the plants will flower or not when exposed to the following conditions.

Conditions	Flowering/not	Readons
	flowering	
* 16h of night period.		
	•	
	•	
* 20h of night period		
but given a red light		:
during this period.		
·		
	•	
•		
* 10h of night and		
given a red light		
during this period.	·	April 1990

and the control of	· d	l) Dei	ine the following terms.			
		i.	Vermilization			
W4488			*************************			
control (control (con			***************************************		***************************************	· · · · · · · · · · · · · · · · · · ·
		ii.	Reproductive photoperiodist	77	••	••••
TANKS TO THE TANKS			***************************************			
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ne and a second		iii.	Vegetative Photoperiodism		***************************************	orani materiale (1993) Propinsi Propinsi materiale (1994)
These on the second	•					•
ove-convention of			Vancet	.*	•••••••••	
seen process		iv.	Vernalin			
West and the second sec	÷			*******		
ATTERIOR CONTRACTOR				********	**************************************	•••
47					***********	•••
02.	(a)	What	s meant by 'dormancy'?			·
		*******		****		
						••
	(b)	Briefly	describe the significance of a	formancy amor	10 plante province	
		arid reg	tions,	•	e man Pomiti	iti
				********	****	
		••••••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*************	••••	•
		********		** ** * * * * * * * * * * * * * * * *		•
	(c)	Briefly	explain the ways by which seed	coat influences	seed darmanes	
		•••••				
		••••••		*******		
		•••••				
	•	••••••	******************************			
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			************************	*******	**************************************	
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Defir	ne the following terms.	
i.	Quiescence	
	*****	•••••
	***************************************	· · · · · · · · · · · · · · · · · · ·
ii.	Secondary dormancy	
		•••••
		· • • • • • • • • • • • • • • • • • • •
iii.	Rudimentary embryos	
		· · · · · · · · · · · · · · · · · · ·
٠.		••••
v.	Scarification	

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