MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION *SARDWE'NL SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semester Course No.		: 11 (New) : H/HORT 121	Term Title	II Academic Ye Growth And Developme	
Credits		: 2(1+1)		Horticultural Crops	01
Day	& Date	: Thursday, 03.05.2018	Time	09.00 to 11.00 Tota	al Marks : 40
Note: 1. Solve ANY EIGHT questions from SECTION "A". 2. All questions from SECTION "B" are compulsory. 3. All questions carry equal marks. 4. Draw neat diagrams wherever necessary.					
SECTION "A"					
Q.1	Enlist the basic functions of auxins and describe in brief any two.				
Q.2	Define photoperiodism and describe its classification.				
Q.3	Describe in brief the physiology of climacteric and non-climacteric fruits.				
Q.4	Enlist various theories of the mechanism of translocation of organic solutes and explain any one.				
Q.5	Define plant growth. Explain in brief its phases in horticultural crops.				
Q.6	Define pruning. Explain in short how tree physiology is affected by pruning.				
Q.7					
	a) L	Leaf area index	b)	Vernalization	
	c) F	ruit ripening			
Q.8	What is fruit drop? Discuss in brief types of fruit drop.				
Q.9	Enlist various environmental factors affecting flowering and explain any one.				
Q.10	Enlist the role of gibberellins and explain any two.				
SECTION "B"					
Q.11	Fill in the blanks.				
	1) _	refers to having c	ompleted na	ral growth and developme	ent.
	2) means judicious removal of plant parts to give proper shape and strong framework of any plant.				
	3) The development of fruit without pollination and fertilization is called				
	4) Cytokinins widely occur inpart of higher plants.				
Q.12	Define the following terms.				
	1) In	hibitor	2)	pical dominance	
	3) Le	af weight ratio	4)	rowth regulator	