## S. N. Kansagra School Biology Department



Std 12		MARKS-45 unit 1	
1.	DIFFERENTIATE BETWEEN:		4
	a.	Anemochory and autochory	
	b.	Top senescence and progressive senescence	
	c.	Aerophonics and Hydroponics	
	d.	Mesogamy and Porogamy	
2.	. Answer the following-		2
	a.	What makes the apical meristem of the root sub-terminal?	
	b.	Why do plant cell not burst when placed in water?	
	c.	What happens if a flower bud is emasculated and auxin applied on the stigma?	
	d.	Why is propagation through grafting not successful in monocot?	
3.	NAM	E THE FOLLOWING-	4
	a.	Non technical term for periderm	
	b.	The water present in the soil not available to plants	
	c.	The shape of guard cells in grasses	
	d.	The sleep movements in leguminous plants.	
		PART 2- ANSWER THE FOLLOWING-	
	1.	The overall rate of photosynthesis is higher per unit energy received in flashes th	nan
		continuously. Justify the statement.	2
	2.	Give the difference in vascular bundle of monocot and dicot stem.	2
	3.	Differentiate between dehiscent and non dehiscent fruits.	2
	4.	Differentiate between chlorophyll a and chlorophyll b	2
	5.	Describe the events taking place between pollination and fertilization.	3
	6.	What is nitrogen fixation? Discuss the role of two nitrogen fixing organisms.	3
	7.	Give the characters of meristematic tissues.	3
	8.	Give the significance of osmosis.	3
	9.	Discuss the role of cork cambium in secondary growth.	3
	10	. Give a brief account of turgor movements shown by <u>Mimosa pudica</u>	4
	11	. What is the importance of the following elements in the life of a plant? In each c	ase mention a
		deficiency symptom.	4
		1. Nitrogen 2. Magnesium 3. Chlorine	
	12	. Describe the non-cyclic photophosphorylation .	4