## MAIIARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BEARD VIVI SEMESTER END EXAMINATION

## R Sc (Howt)

		B.Sc. (Hort.)	
Semest Course Credits Day &	e No. : H/SSAC 111 s : 2(1+1)	Term: I Academic Year: 2013-14 Title: Fundamentals of Soil Science Time: 10.00 to 12.00 Total Marks: 40	
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		SECTION "A"	
Q.1	Define Edaphology. Give the c	omposition of earth crust.	
Q.2	Explain the factors affecting co	omposition of soil air.	
Q.3	Explain in detail the important		
Q.4	Write in brief about the land c		
Q.5	Quote the sources of soil organic matter and explain the chemical composition of soil organic matter.		
Q.6	Differentiate between the bull	k density and particle density.	
Q.7	Explain the factors affecting soil water.		
Q.8	Define soil colloids and write the general properties of soil colloids.		
Q.9	Describe the procedure for reclamation of acidic and saline soils.		
Q.10	Describe the factors affecting soil temperature.		
		SECTION "B"	
Q.11	Match the pairs.		
	"A"	"B"	
	1) Soil reaction	a) Organic soils	
	2) Sandy soil	b) Low water holding capacity	
	3) Montmorillonite	c) Acidic or alkaline soil	
	4) Histosols	d) 2:1 Clay mineral	
Q.12	Define the following terms	•	
	1) Field capacity		
	2) Soil taxonomy		
	3) CEC		
	4) Pedology		

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