KERALA AGRICULTURAL UNIVERSITY B.Sc (Hons.) Ag 2013 Admission



Vth Semester Final Examination- February-2016

Cat. No	o:Ssac.3105	ty and nutrient management (2+1)	Marks: 50.00 Time: 2 hours
	wer all questions		$(10 \times 1=10)$
	Father of field plot techni	ique	
		b) Liebig d) Gilbert J.H	
2.	Pahala blight of sugarcane was caused by		
	a) PotassiumC) Manganese	b) Iron d) Sulphur	
3. A situation in which a crop needs more of given nutrient yet			e plants doesn't show
	any deficiency symptom		
4.	The conversion of NH ₄ –N by autotrophic organism is called as		
5.	Saline soils are termed as		
6.	Reclamation of soil acidity through liming materials will limited to neutralize reserve		
	acidity in soil (True or False)		
7.	The opening and closing of stomata is regulated by potassium (True or False)		
	Define Neutralizing Index		
	Define RSC		
1	0. What is Flocculation an	d which element is responsible for floccu	lation
II Write short notes on any Five questions			(5x 2=10)
	Arnon's criteria of essent		
2.	Rapid tissue test for potassium		
3.	Critical level of nutrients in soils		
4.	SAR		
5.	Ammonification		
6.	Sulphur oxidation		
7.	- · · · · · · · · · · · · · · · · · · ·	lues on soil and aquatic systems	·
	rite short essay on any I		(5x 4=20)
		assification of plant nutrients	
	Briefly explain about the		

3. How the DRIS approaches is used to examine critical level in plants

- 4. Liming materials and their reactions
- 5. Briefly explain the characteristics of saline ,saline sodic , sodic and calcareous soils
- 6. Give a brief account of forms and factors affecting the availability of nutrients in soils
- 7. Give an account on the parameters for assessing the quality of irrigation water

IV Write essay on any ONE

(1 x 10=10)

- 1. Discuss the role of soil organic matter in maintaining soil fertility
- 2. Explain different approaches of Soil fertility evaluation