KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) 2010 Admission IVth Semester Final Examination, July /August 2012

Cat. No: Ss Title: Fertil			Marks: 80 Time: 3hours			
A. Fill in the b	lanks				(5 x1=5	
1. FCO ca	me into	o force in India in the year		e undt aveg le		
2. Amend	Amendment that is used to reclaim acidic soil is					
	Urea contain as a toxic substance.					
	is an alkaloid present in the leaves of tobacco plants.					
		mineral is the raw mate	erial fo	or the manufa	cture of all phosphatic	
fertiliz					(F./4_F)	
B. Match the	follow	ing			(5x1=5)	
		Α		В	*	
	1)	Diammonium phosphate	a)	60 % K ₂ O		
	2)	Sulphate of potash	b)	16 % P ₂ O ₅		
	3)	Muriate of potash	c)	46 % P ₂ O ₅		
	4)	Single super phosphate	d)	25 % N		
	5)	Calcium ammonium nitrate	e)	50 % K ₂ O		
. Write short	note/A	Answers on ANY TEN			(10x3=	
1. Soil an	nendm	ents				
2. Agro-c	hemica	als				
		trol Order				
4. Differe	ence be	tween acid forming and base f	ormin	g fertilizers.		
5. Bone						
	hosph:		4 la 4 la a	to occurrentation		
		ree potash bearing minerals wi	tn tne	ir compositioi	15.	
8. Fates 9. Plant 9		regulators				
		o complex fertilizers which sup	nlv N	and P.		
	8	roperties of neem.	(P.)			
12. Borde						
				*		
. National allegate	0000110	on ANY SIX of the following			(6x5=3	

- 1. Classification of phosphatic fertilizers with one example each.
- 2. Complex fertilizers are more preferred than straight fertilizers- justify.

- 3. What is triple super phosphate? How it is different from SSP and how it is manufactured.
- 4. Describe the manufacture of Urea with reactions.
- 5. Classification of insecticides based on mode of action.
- 6. Behaviour of pesticide in the soil.
- 7. Detoxification of pesticides in plants.
- 8. What are fungicides? Give its classification.

IV. Write essay on ANY ONE

(1x10=10)

- 1. What are herbicides? Give the classification of herbicides with examples.
- 2. Give classification of nitrogenous fertilizers and describe the manufacturing process of ammonium sulphate and give their properties.