KERALA AGRICULTURAL UNIVERSITY

B.Sc.(Hons.) Agriculture – 2008 Admission - IInd Semester Supplementary Examination – March 2010

	ct Ecology and Integra gement (2+1)		ime : 3 hour
l Answer all que	stions		(20x0.5=10)
State whether th	c following statements are t	rue or false	
	ts are the ones found all throu		
	imptoms are caused by thrips	2011 1111 2 2 3 111	
	example for physical control		32
	ed seed rate is cultural control		
	nea is used for the control of	cotion sucking pests	
	gs to the carbamate group of i		
	earth with pulses is cultural co		
	es of pests is a biotic factor.		
	nzoate is available commercia	lly as Proclaim	
	clongs to the OP group.		
9			
Fill up the blank	s ·		
	ed to control snails and slugs a	ire called	
12.	_lit. of water per hectare is u		· ·
13. Insecticides A	ct was enacted in the year	and the second s	
	ed as a trap crop for Spodopte	ra litura	
	ethroids exhibit good	effect of pests.	
16. EC formulati	on is		
17. The term Eco	ogy was coined by		
18. ETL for brings	al shoot and fruit borer		
19. Spinosad is av	ailable commercially as		
20. Rotenone is o	btained from the	of Derris elliptica	
II. Define/ descri	be in one / two sentences		(10x1=10)
L. IGR	5. Systemic poisons	9. Insecticide resistan	ie š
2. ETL	6. Pseudoresistance	10. LC 50	icc
3. Autecology	7. Ecofeast crop	107.17.50	
4. Predator	8. Bt		
III.Write short answers on any TEN of the following			(10x2=20)
1. Pesticide formu	lations		
2. Mode of action			
3. Simple and Sur			
4. Sterile male technique			
5. Microbial contr	·		
6. Rodenticides			
7. Pest surveillance	re		
	hod of pest control		
	host plant resistance		

10. Pheromones

Refute/defend

- 11. Quality control is important in biological control.
- 12. Higher dose of insecticides results in higher killing of insects

IV Write short essays on any FOUR of the following

(4x5=20)

- 1. Outline classification of pest damage/injury to crops along with examples
- 2. Define biological control and discuss merits and demerits
- 3. Describe repellents, antifeedants and attractants along with suitable examples.
- 4. Bring out the classification of insecticides
- 5. What are the different per categories of pests and explain the causes for their outbreak
- 6. Discuss the impact of abiotic factors on pest population

V Write essays on any TWO of the following

(2x10=20)

- 1. Elaborate on the novel insecticides for use in IPM
- 2. Outline the procedure for mass multiplication of any two biocontrol agents.
- 3. Discuss the role of biotechnology in pest management