KERALA AGRICULTURAL UNIVERSITY B.Sc. (Hons.) Agriculture – 2009 Admission - IInd Semester Final Examination - August 2010

Cat. No. Title	: Ento 1202 : Insect Ecology a	nd Integrated Pest I (2+1)		Max. marks: 80 Time : 3 hours
	Answer all question:	s	ikipani pigaran	(20x0.5=10)
	1. Sporadic pests are th	owing statements are to ne ones found all through is a classical example of	h the year	
	3. Light trap is an exan4. Adjustment of sowir	uple for physical contro ng date is cultural contro	l bl.	
	6. Phorate belongs to the7. Mixing of red earth	s used for the control of ne carbamate group of in with pulses is cultural co	nsecticides ontrol.	
		pests is not an abiotic face is available commercia s to the OP group.		
		control mites are called	used in a high volume sp	201
	12lit. of water per hectare is used in a high volume spra 13. Insecticides Act came into force in the year 14. Sterile male technique has been successfully used against 15. Accidental introduction of one species replacing another is called 16. LD ₅₀ is expressed in terms of 17. The term Antixenosis was coined by 18. ETL for rice stem borer is			
	II. Define/ describe in one / two sentences			(10x1=10)
	2. EIL 3. Synecology	5. Stomach poisons 6. Pseudoresistance 7.Trap crop 8. NPV	9. Resurgence 10. ED ₅₀	
	III.Write short answers on any TEN of the following			(10x2=20)
	 Pesticide formulations Mode of action of OP compounds Hyper and Super parasitism Life table studies Qualities of an effective natural enemy Biotic factors Horizontal and vertical resistance 			
	8. Legislative method of9. Mechanisms of host10. Repullants and attraction	plant resistance		

Refute/defend

- 11. Insecticides used at the right dose and at right time is highly effective.
- 12. IPM is a boon to the farming community

IV Write short essays on any FOUR of the following

(4x5=20)

- 1. Bring out the classification of insecticides
- 2. Narrate the merits and demerits of biological control. Also cite four situations of successful biological control
- 3. Describe the hazards and limitations of chemical control
- 4. Outline classification of pest damage/injury to crops along with examples
- 5. What are the different categories of pests and explain the causes for their outbreak
- 6. Outline the procedure for mass multiplication of Trichogramma sp.

V Write essays on any TWO of the following

(2x10=20)

- I. Discuss the role of biotechnology in pest management
- 2. Define IPM and discuss the important tools
- 3. Elaborate on the novel insecticides for use in IPM