## M.Sc. (Zoology) Fourth Semester Old MSC15-1 - Special Group-Entomology III (Sense Organs, Social Life and Agriculture Pests Paper-III)

	ages: 1 e: Three Hours	GUG/W/ * 1 9 0 4 *  Max. M	/18/2435 Marks: 80
	Notes: 1. 2. 3.	All questions are compulsory. All questions carry equal marks. Illustrate your answer with well labelled diagrams wherever necessary.	
1.	Describ	be in detail structure and function of compound eye.	16
		OR	
	a) Bi	otes on: oluminescence mechanism. sysiology of sound production.	
2.	Describe structure and functions of chemoreceptors.		16
		OR	
	a) M	otes on: echanism of colour change. ensory hairs.	
3.	Describe polymorphism and social life in Isoptera. Add notes on its nest building.		
		OR	
	a) No	est building in ants ocust migration	
4.	Enumer two of	rate the pests of cotton. Describe Life cycle, damage and control measures of arthem.	ny 16
		OR	
	a) Pe	otes on: ests of mango and their classification. esta amage caused and control of flour beetle Tribolium.	
5.	<ul><li>a) Oc</li><li>b) Ca</li><li>c) Pa</li></ul>	t the following. celli. amouflage in insects. crasitic hymenoptera. ests of Citrus.	16

\*\*\*\*\*