MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

					B.Sc. (4	\gri	i.)				
-	Semeste	er	: III (New)		Term		:	I Aca	dem	ic Year : 20	17-18
	Course		: ENTO 23 : 3(2+1)	1	Title		:	Insect Morphology and Systematics			
	Credits Day & 1		: Monday,	20.11.2017	Time		:	9.00 to 12.00		Total Marks	: 80
-		ote :	1. Solve A	NY EIGHT q	uestions fro	m S	EC	CTION "A".			*
				tions carry equ		ar	ec	ompulsory.			
			4. Draw no	at diagrams w	herever neo	essa	ary.		-		
		SECTION "A"									
		Define metamorphosis and describe its types with examples. Describe digestive system of cockroach with labeled diagram.									
				arts of honey							
	-							able examples.			
				difications in							
	-			of insect inte							
		-			-			labeled diagra			
						vith	lat	beled diagram.			
		-		y system of ir	isect.						
	Q.10		short notes								
		<i>,</i>		pical insect l	eg	b)		Sense organs			
		c) N	/alpighian tu	bules		d)		Order Lepidopt	era		
		_			SECTI	ON	"B'	,,			
	Q.11		e the follow		. 1	21	0	winceiter	4)	Spiracle	
			clerite	2) Ecdys)vipositor		Morphology	
		5) 8	systematics	6) Taxor	iomy	1)	E	Intomology	8)	Morphology	
	Q.12	Do as	directed.					,			• î
		1) 5	tate the head	position in r	ed cotton l	oug.					
		2) 5	tate the orde	r of mustard s	sawfly.						
		3) 1	Name of min	ate end tube o	f tracheal	resp	oira	tory system.			
		4) 5	state the phyl	um of insect.							
		5)				nt i	n iı	nsect head (Fil	l in t	he black).	
		-									
		6) Hamulate/frenate type of wing coupling apparatus is observed in honey bees. (Choose the correct word)7) Name the location of epicranial suture.									
							Stat	e true or false)			
		5) 1	ipouus iui vu								
				\$	* * * *	Ŷ.	~ `	YYY			

Telegram - AgroMind

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