LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

U.G. DEGREE EXAMINATION – **ALLIED**

THIRD SEMESTER – **NOVEMBER 2023**

UAZ 3401 – AGRICULTURAL ENTOMOLOGY

Date: 08-11-2023 Dept. No. Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

	SECTION A - K1 (CO1)
	Answer ALL the Questions - **(10 x 1 = 10)**
1.	**Definitions**
a)	Parasitoids
b)	Apiary
c)	Sterile insect technique
d)	Insect killing bottle
e)	Tassar silk
2.	**Fill in the blanks**
a)	The scientific name of rhinoceros beetle is ----------
b)	---------- is known as queen of textiles.
c)	The pest of cotton plant is ----------
d)	---------- is used to collect very tiny insects.
e)	Honey bee belongs to the order ----------
	SECTION A - K2 (CO1)
	Answer ALL the Questions **(10 x 1 = 10)**
3.	**Match the following**
a)	Swarm - Microneedles
b)	Scavenger insect - Rock bee
c)	Cockroach - Locust
d)	Silk fibrin - Salmonellosis
e)	Apis dorsata - Blow fly
4.	**True or False**
a)	Bordeaux mixture is considered first synthetic chemical repellent.
b)	A genetically modified pest resistant plant cotton variety is Bt cotton.
c)	Dragon fly belongs to the order diptera.
d)	Entomological pins are exclusively used for pinning insects.
e)	Locusta migratoria is known as desert locust.
	SECTION B - K3 (CO2)
Answer any TWO of the following	**(2 x 10 = 20)**
5.	Illustrate about apiculture and its economic importance.
6.	Write down the details on pesticide application equipments.
7.	Analyse the role of modern technologies in pest control.
8.	Explain in detail about lac cultivation methods and management.

SECTION C – K4 (CO3)	
Answer any TWO of the following	**(2 x 10 = 20)**
9.	Analyse about locust biology and its ill effects on agriculture.
10.	Explain the vital role of insect pollinators in plant reproduction.
11.	Summarize biopesticides and biocontrol methods available in modern agriculture practices.
12.	Illustrate the various methods of insect collection and preservation techniques.
SECTION D – K5 (CO4)	
Answer any ONE of the following	**(1 x 20 = 20)**
13.	Summarize the various steps involved in IPM.
14.	Prepare and present the classification of insects with examples.
SECTION E – K6 (CO5)	
Answer any ONE of the following	**(1 x 20 = 20)**
15.	Report on the most common insect pests of sugarcane and coconut and formulate their control measures.
16.	Infer the role of pheromones, repellent and antifeedents in pest control methods.

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