

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**M.Sc. DEGREE EXAMINATION – ZOOLOGY****FIRST SEMESTER – NOVEMBER 2022****PZO1MC05 – ENTOMOLOGY AND VECTOR BIOLOGY**

Date: 02-12-2022

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

SECTION A**Answer ALL the questions**

1	Define	(5 x 1 = 5)	
a)	Scrub typhus	K1	CO1
b)	Trilobites	K1	CO1
c)	Parasitic diseases	K1	CO1
d)	Phlebotomus fever	K1	CO1
e)	Visceral Leishmaniasis	K1	CO1
2	Fill in the blanks	(5 x 1 = 5)	
a)	-----is an example of insect parasitoid.	K2	CO1
b)	An example for larvicidal fish is-----	K2	CO1
c)	The chemical that blocks acetylcholinesterase in insect is -----	K2	CO1
d)	Lyme disease is caused by -----	K2	CO1
e)	Full form of DEET is -----	K2	CO1

SECTION B**Answer any THREE of the following in 500 words****(3 x 10 = 30)**

3	Describe pheromones used in pest control.	K3	CO2
4	Explain about Zika virus genome structure.	K3	CO2
5	Elaborate how fishes can be employed as biocontrol agents in mosquito control.	K3	CO2
6	Explain circulatory system in insects.	K3	CO2
7	Describe in detail about onchocerciasis.	K3	CO2

SECTION C**Answer any TWO of the following in 500 words****(2 x 12.5 = 25)**

8	Illustrate and explain the pathogenicity of African trypanosomiasis.	K4	CO3
9	Explain and trace the origin and evolution of class Insecta.	K4	CO3
10	Elaborate the successful implementation strategy of IVM.	K4	CO3
11	Differentiate complete and incomplete metamorphosis with appropriate examples.	K4	CO3

