

MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF PURE APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL LABORATORY SCIENCES

UNIVERSITY ORDINARY EXAMINATION

2021/2022 ACADEMIC YEAR

YEAR **THREE** SEMESTER **ONE** EXAMINATION FOR BACHELOR OF SCIENCE IN COMMUNITY HEALTH

MCH213: ENTOMOLOGY, VECTOR AND RODENT CONTROL

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- 1. Answer question one and any other two questions
- 2. Mobile phones are not allowed in the examination room.
- 3. You are not allowed to write on this examination question paper.

QUESTION ONE (30 MARKS)

a)	Define	Define the following terms		
	i.	Vector.	(1 mk)	
	ii.	Intermediate host.	(1 mk)	
	iii.	Integrated Pest Management.	(1 mk)	
	iv.	Economic Injury Level (E.I.C).	(1 mk)	
	v.	Quarantine.	(1 mk)	
b)	Identity	y the general anatomical feature of arachnids.	(5 mks)	
c)	i) Disti	nguish between a male and female weevil.	(2 mks)	
	ii) Out	tline the lifecycle of maize weevil, sitophilus zeamais	(3 mks)	
d)	Descri	be the Management of Bites and Meningoencephalitis rodents.	(5 mks)	
e)	Explain 5 adaptations of arthropods that makes them the most successful organisms in		the world.	
			(5 mks)	
f)	Explai	Explain the factors affecting Selectivity and effectiveness of chemicals for Vermin Co		
			(5 mks)	
	QUESTION TWO (20 MARKS)			
a)	Discus	s the various prevention and Control measures of pests and vectors of	public health	
	import	ance.	(20 mks)	
QU	JESTIC	ON THREE (20 MARKS)		
a)	Descri	be classification and identification of common pests.	(10 mks)	
b)	Descri	be the safety precautions in the use of rodenticides and pesticides.	(10 mks)	
QI	JESTIC	ON FOUR (20 MARKS)		
a)	Explai	n hormonal control of metamorphosis.	(5 mks)	

(15 mks)

b) Describe the process of metamorphosis in insects.