



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
BACHELOR IN COMMUNITY HEALTH PRACTICE
END OF JANUARY-APRIL 2023 SEMESTER EXAMINATION**

Unit Code: CHP 133:
Unit Name: Entomology
DATE: 5th April 2023
TIME: Two Hours
Start: 9.00 am Stop 11.00 am

INSTRUCTIONS

Do not write on the question paper

SECTION A: SHORT ANSWER QUESTIONS

1. Define the following terms
 - i. Medical Entomology (1 mark)
 - ii. Metarmophosis (1 mark)
 - iii. Host (1 mark)
2. Explain the role of Arthropods in entomology (2 marks)
3. State the distinctive features of the class Insecta (4 marks)
4. Give TWO reasons why insects are successful microorganisms (2 marks)
5. Explain epidemiological triad in disease causation (3 marks)
6. List the morphological features of the adult *Glossina* species (4 marks)
7. Explain the classification of myiasis (3 marks)
8. State the clinical significance of the following (3 marks)
 - i. Scabies Mites
 - ii. Fleas
 - iii. Human lice
9. Study the table below and fill in the blank spaces provided (3 marks)

Insect vector	Parasite	Disease
	Leishmania sp	
Black fly		
		American Trypanosomiasis

10. Outline the public health importance of fleas (3 marks)

SECTION B: ANSWER ANY TWO QUESTIONS

11. Give an account of the life cycle and transmission dynamics of the mosquito (20 marks)
12. Discuss the geographical distribution, life cycle and medical importance of tsetse flies (20 marks)
13. Discuss Integrated Vector Control and Management strategy (20 marks)

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