



UNIVERSITI KUALA LUMPUR
INSTITUTE OF MEDICAL SCIENCE TECHNOLOGY

FINAL EXAMINATION
OCTOBER 2025 SEMESTER

COURSE CODE : HGB20803
COURSE TITLE : PEST & VECTOR CONTROL
PROGRAMME NAME : BACHELOR OF ENVIRONMENTAL HEALTH (HONS)
DATE : 23 JANUARY 2026
TIME : 3:00PM - 6:00PM
DURATION : 3 HOURS



INSTRUCTIONS TO CANDIDATES

1. Please read the instructions given in the question paper CAREFULLY.
2. This question paper is printed on both sides of the paper.
3. This question paper consist of ONE sections.
4. Section A consist of five questions. Answer FOUR (4) questions only.
5. Please write your answer on the answer booklet provided.
6. Please answer all questions in English only.
7. Refer to the attached Formula/ Appendies. *Tick if applicable*

THERE ARE 3 PAGES OF QUESTIONS INCLUDING THIS PAGE

SECTION A (Total: 100 marks)

Answer FOUR (4) questions.

Please use the answer booklet provided.

Question 1

The process of decision making in integrated vector management indicate a technical component and operational steps. Analyze the operational steps.

(25 marks)

Question 2

There are two categories of larva survey for dengue control measures, that is presumptive and definitive larva survey.

Differentiate the implementation of presumptive and definitive larva survey.

(25 marks)

Question 3

Analyze the strategy to implement Integrated Vector Management to control the prevalence of Malaria and Dengue.

(25 marks)

Question 4

In general, vector control methods are divided into three components, that is environmental control, chemical control and biological control. Analyze the three (3) components of vector control methods.

(25 marks)

Question 5

The house flies or *Musca domestica* are known to be the nuisance to human being and also capable of being a mechanical vector to certain diseases.

- (a) Explain the life-cycle of a *musca domestica*.
(12 marks)

- (b) Name three (3) diseases that can be transmitted by the house flies.
(3 marks)

- (c) Discuss the control measures that can be implement for the house flies.
(10 marks)

END OF EXAMINATION PAPER

