



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH

APH 4201: VECTOR AND PEST MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

DATE: Pick Date Select Month 2016

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** Question(s). Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

(i) Define the following terms as used in pest and vector control.

- a. Food
 - b. Rodent
 - c. Vector
 - d. Pathogen
 - e. Entomology
- (10 marks)

(ii). Enumerate the diseases transmitted by a sandfly.
(3 marks)

(iii). (a) List five public health importance of insects vectors.
(5 marks)

(b) Name three types of parasites affecting mankind.

(2 marks)

(c) Mention five vectors with their diseases they transmit.

(5 marks)

(iv) List 5 types of pests who affect food products in or out of the store.

(5 marks)

Question TWO

Mosquitoes are some of the most dangerous vectors due to the high burden of Malaria Globally. Discuss enlightening the control and prevention measures.

20 marks

Question THREE

Birds are some of the dangerous species when it come to destruction of food products while still at the Shamba. Discuss mentioning the control measures of the same.

20 marks

Question FOUR

Pests are known for causing damage to food products. Discuss the impact /effect of pests infestation in the food products.

20 marks

Question FIVE

Sarcoptes scabiei is one parasite that carries scabies. Write short notes on up to how we can control it.

(20 marks)