



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

**BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND BACHELOR
OF SCIENCE IN ENVIRONMENTAL HEALTH**

BSCH & BSEH/16S/YEAR 2/ SEMESTER 1

APH 4201: VECTOR AND PEST CONTROL

SPECIAL/ SUPPLEMENTARY EXAMINATIONS

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE

- | | |
|--|---------|
| a) Briefly describe five vectors of public health importance | 5 marks |
| b) State three methods for the control of mosquitoes | 3 marks |
| c) Enumerate three diseases transmitted to man by the mosquitoes | 3 marks |
| d) Discuss the transmission cycle of human onchocerciasis | 4 marks |
| e) Briefly describe the economic impact of filariasis | 4 marks |
| f) State four features typical tsetse fly | 4 marks |
| h). Outline the medical importance of bedbugs | 3 marks |
| I) List four potential breeding sites for housefly | 4 marks |

QUESTION TWO

Describe the burden of vector borne diseases on human population 20 marks

QUESTION THREE

A) Describe the basic control strategies of bedbugs at individual; household and community level 10 marks

B) Discuss the public health importance of bed bugs 10 marks

QUESTION FOUR

A) Discuss the transmission ways of vector borne plaque 10 marks

B) Outline control measures of plague 10 marks

QUESTION FIVE

Discuss the major challenges facing public health structures in the control of vector borne diseases in Kenya and suggest ways to improve 20 marks