TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT &HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT
DCH 16M/YEAR 3/ SEMESTER 1
APH 2107: ENTOMOLOGY, PEST AND VECTOR CONTROL

END OF SEMESTER EXAMINATION

SERIES:DECEMBER2016

TIME:2HOURS

DATE: Pick DateDec2016

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). Attemptquestion ONE (Compulsory) and any other TWO questions.

QUESTION ONE
a) Describe the use of Natural enemies as a way of rodent control (4 marks)
b) List four common rodent-borne diseases (4 marks)
c) Describe five ways in which arthropods are medically important (5 marks)
d) Describe the Link between jigger infestation and HIV/AIDS (4 marks)

e) Outline the Effects of jigger attack (4 marks)
f) State how causative agents transmitted by rodents may enter the human body (5 marks)
g) Describe the clinical types of plague transmitted by human flea (4 marks)

QUESTION TWO
   a) Describe the medical importance of blow flies (5 marks)
   b) Describe Food source isolation as strategy for bedbug control (10 marks)

QUESTION THREE
   (a) Infestations with bedbugs may occur through various ways. Discuss this statement with special reference to incidents reported at our institution. (10 marks)

   (b) There is a Global resurgence of bedbug menace. Describe the modern approaches for control and prevention by developed countries. (5 marks)

QUESTION FOUR
   a) Fleas may cause plague; as a public health worker suggest preventive and control measures for plague in the community (5 marks)
   b) Respected national leaders have shown interest in jigger flea infestation management; Give your advice on best control measures   (10 marks)

QUESTION FIVE
 Discuss jigger attack under the following headings
   (a) Effects of the attack (6marks)
   (b) Link with HIV/AIDS (4marks)
   (c) Preventive measures (5 marks)