

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2012/2013

2nd YEAR 2nd SEMESTER EXAMINATIONS FOR THE DEGREE OF BSC. PUBLIC
HEALTH

(KISII LEARNING CENTRE)

COURSE CODE: HCD 3227

COURSE TITLE: MEDICAL ENTOMOLOGY

1. a) Describe in detail the life cycle of plasmodium 10mks
 - b) With specific reference to life cycle discuss the steps in the control of anopheles mosquitoes 10mks
 - c) Why is malaria still the most prevalent disease in the tropics 10mks
2. a) Discuss the transmission cycle of human onchocerciasis 8mks
 - b) List the applicable control techniques of black flies 4mks
 - c) Explain why people entering to houses evacuated for months are attacked by massive fleas 8mks
3. a) list the two species of human lice that parasitize humans 4mks.
 - b) Highlight the life cycle of the human head louse 8mks
 - c) Crushed lice or lice faeces coming into contact with broken skin leads to transmission of which diseases 8mks
4. a) Describe the basic control strategies of bed bugs 10mks
 - b) Describe the role of cockroaches in the disease transmission 5mks
 - c) Discuss the possible effective control methods of cockroaches 5mks
5. a) List the different types of hand carried sprayers, Bucket sprayers and knapsack sprayers 6mks
 - b) What are the major differences and similarities between knapsack and compression sprayers 4mks
 - c) List at least the major safety measures (precautions) during insecticide handling 10mks.