



**UNIVERSITY OF SWAZILAND**  
**Faculty of Health Sciences**

**DIPLOMA IN ENVIRONMENTAL HEALTH**

**FINAL EXAMINATION PAPER 2007/2008**

<b>TITLE OF PAPER</b>	<b>:</b>	<b>VECTOR CONTROL</b>
<b>COURSE CODE</b>	<b>:</b>	<b>EHS 214</b>
<b>DURATION</b>	<b>:</b>	<b>2 HOURS</b>
<b>MARKS</b>	<b>:</b>	<b>100</b>
<b>INSTRUCTIONS</b>	<b>:</b>	<b>READ THE QUESTIONS &amp; INSTRUCTIONS CAREFULLY</b>
	<b>:</b>	<b>ANSWER ANY FOUR (4) QUESTIONS</b>
	<b>:</b>	<b>EACH QUESTION CARRIES 25 MARKS.</b>
	<b>:</b>	<b>WRITE NEATLY &amp; CLEARLY</b>
	<b>:</b>	<b>NO PAPER SHOULD BE BROUGHT INTO NOR OUT OF THE EXAMINATION ROOM.</b>
	<b>:</b>	<b>BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.</b>

**DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR.**

### QUESTION 1

- a. Describe and discuss the life cycle of a mosquito
- b. List five diseases transmitted by mosquitoes

### QUESTION 2

Fill the missing in the table below

Vector (genus and species)	Disease in man	Disease causative agent (genus and species)	Mode of transmission
a.	Sleeping sickness	b	c.
d.	e.	Wucheria bancrofti	f.
Bed bug (Reduviid bug)	g.	h.	i.
j.	k.	Rickettsia prowazekij	l.

### QUESTION 3

- a. Give and discuss the life cycle of schistosomiasis
- b. Give the 2 types of vector snails that transmit schistosomiasis in man in southern Africa, and match them with the appropriate parasite.

### QUESTION 4

- a. Discuss 3 ways in which pesticides can be a public health hazard
- b. Give reasons why insecticide resistance should be properly managed and monitored

### QUESTION 5

Discuss five (5) ways to prevent and control tsetseflies

### QUESTION 6

- a. What is myiasis
- b. Discuss the clinical presentations of myiasis in humans