

**UNIVERSITY OF SWAZILAND
FACULTY OF HEALTH SCIENCES
DIPLOMA IN ENVIRONMENTAL HEALTH
FINAL EXAMINATION PAPER 2008-9**

TITTLE OF PAPER: RODENTS AND VERMIN CONTROL

COURSE CODE: EHS 215

DURATION: 2.5 HOURS

MARKS: 100

**INSTRUCTIONS: READ THE QUESTIONS & INSTRUCTIONS
 CAREFULLY**

ANSWER ANY FOUR QUESTIONS

EACH QUESTION CARRIES 25 MARKS

WRITE NEATLY & CLEARLY

**NO PAPER SHOULD BE BROUGHT INTO NOR
OUT OF THE EXAMINATION ROOM**

**BEGIN EACH QUESTION ON A SEPARATE SHEET
OF PAPER**

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

QUESTION ONE

- a. Give the main common characteristics and the evolution of of the rodents. (10 Marks)
- b. Describe the size and range of order and verminous role (s) played by the rodents under the various environments. (15 Marks)

QUESTION TWO

Using examples differentiate between mice and rats and describe how each of these could be controlled in their habitats. (25 Marks)

QUESTION THREE

- a. Give an account of the general characteristics of the class Arachnida. (5 Marks)
- b. Give an account of the common types of scorpions and the circumstances under which man is attacked by these scorpions and how these attacks could be prevented. (20 Marks)

QUESTION FOUR

- a. Describe the life cycle of the honey bee colony and give an account of the importance of this life cycle in the environment. (15 Marks)
- b. Describe the defensive behaviour of the African bee and how this behaviour could be prevented against man. (10 Marks)

QUESTION FIVE

Give an account of the common verminous snakes of Southern Africa and how man could avoid the encounter with such snakes. (25 Marks)