UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME:	DIPLOMA IN ENVIRONMENTAL HEALTH SCIENCES
COURSE CODE:	EHS 203
TITTLE OF PAPER:	VECTOR AND VERMIN CONTROL
TIME ALLOWED:	TW0 (2) HOURS
INSTRUCTIONS:	ANSWER ANY FOUR QUESTIONS

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QUESTION ONE

a. Give the main common characteristics of the members of the phylum Athropoda and the classes Insecta and Arachnida. (5 Marks)

b. Give an account of the life cycles led by each of the following types of insects.

i. Oviparous insects (10 Marks)
ii. Viviparous insects (5 Marks)
iii. Pupiparous insects (5 Marks)

QUESTION TWO

Give an account of the habitat or occurrence of the following insects.
(5 Marks each)

a. Cockroaches
b. Sucking lice
c. Mosquitoes
d. Tsetse flies
e. House flies

QUESTION THREE

Give an account of the medical importance of the following insects.
(5 Marks each)

a. Bed bugs
b. Fleas
c. Mosquitoes
d. House flies
e. Screw-worm flies

QUESTION FOUR

Recommend methods that could be used to control the occurrence and therefore the medical importance of each of the following insects. (5 Marks)

a. Cockroaches
b. House flies
c. Sucking lice
d. Mosquitoes
e. Tsetse flies

QUESTION FIVE

a. Name two insecticides in current use belonging to each of the following groups of insectides. (5 Marks)

   i. Non-residual insecticides
   ii. Residual insecticides

b. Describe how you would organise, formulate and apply residual insecticides to an urban community infested with mosquitoes. (20 Marks)

QUESTION SIX

Discuss the medical important and the control of domestic rodents.
(25 Marks)