



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

SBT 424: PESTICIDES

DATE: Monday 22nd November, 2010

TIME: 2.00 p.m. – 4.00 p.m.

Instructions:

Answer all questions in section A and One in section B. Answers in section A should be concise and should be written in the spaces provided on the question paper.

SECTION A: Short answer questions (5 marks each - Total 40 marks)

1. Distinguish between thiram and metalaxyl on the basis of their mode of action.

2. Give 3 (THREE) reasons why pesticides are formulated.

3. (a) Why are emulsifiers used for pesticide formulation?

(b) "Pyrazophos acts as an eradicator". Explain.

4. Write short notes on the mode of action of herbicides.

5. Define the following, giving an example in each case:

(a) Protectant fungicide

(b) LD_{50}

(c) Acute poisoning

(d) Dry formulation

(e) Chronic poisoning

6. State the effects of Afugan on:

(a) Fish

(b) Nitrogen fixation

(c) Earthworms

(d) Rats

(e) Bees

7. Fill the following table:

Pathogen/Disease		Chemical for Control	
1.	Halo blight of beans	1.	
2.	Root-knot Nematodes	2.	
3.		3.	<i>Thiram</i>
4.		4.	<i>Ridomyl</i>
5.		5.	<i>Furadan</i>

8. Outline the mode of action of insecticides.

SECTION B: Essay (30 marks)

Answer **ONE** question from this section.

1. Give a detailed classification of pesticides based on the mode of action.
2. Describe the impact of pesticides to man and the environment.
3. Write an essay on “chemical control of plant pathogens.”