



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF SCIENCE (ANIMAL HEALTH)

SZH 310: TOXICOLOGY AND HEALTH RISKS

DATE: Friday 30th March 2012

TIME: 4.30p.m – 6.30p.m

INSTRUCTIONS

Answer **ALL** questions from Section A and any **ONE** question from section B. Within section, questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A: Answer ALL questions (40 marks)

1. Describe how you would carry out a toxicokinetic study of a drug.
2. Outline the factors that affect metabolism of a toxicant.
3. Describe briefly calcium toxicity in animals.
4. Describe how iron toxicosis arises, its clinical signs and treatment.
5. Explain sodium toxicosis in animals.
6. Outline the general management of poisoning in animals.
7. Explain tetracycline toxicosis in animals.
8. Define withdrawal period and explain its importance.

SECTION B: Answer ONE question (30marks)

9. Discuss the possible effects of genetically modified crops to animal health.
10. Write an essay on organochlorine and organophosphate poisoning in animals.