Module Title: Veterinary Pharmacology and Complementary Therapies
Level: Six
Time Allowed: Two hours

Instructions to students:
- Enter your student number **not** your name on all answer books.
- Answer **all** questions.
- Begin each question in a separate answer book; label each answer book clearly with the number of the question you are answering.
- Neither books nor notes may be taken into the examination.
- The use of a non-programmable calculator is permitted.

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Answer all questions.

1. A client has called up for a repeat prescription of Septrin (an oral sulfamethoxazole and trimethoprim antibiotic suspension, licensed for treating humans) for his rabbit that is suffering with chronic snuffles. When the receptionist requests he make an appointment because the rabbit has not been seen for over 12 months, he states his intention to seek alternative treatment via acupuncture. What is your response?

   (30 marks)

2. Penicillin G is an injectable antibiotic licensed for cattle which farmers may administer on the guidance of their vet. It contains 150mg of penicillin per ml of liquid suspension. The manufacturer’s data sheet advises a dose of 15 mg/kg.

   a. What dose should the farmer give a 600kg cow and a 150kg calf?

   (8 marks)

   b. Penicillin G is licensed for cattle to be given by intramuscular injection. What could the consequences be if the farmer ignored this instruction and gave the drug by another route?

   (12 marks)

3. Critically compare at least two classes of analgesic drugs, using named examples.

   (30 marks)