



# Australian and New Zealand College of Veterinary Scientists

## Membership Examination

June 2013

# Medicine and Surgery of Unusual Pets Paper 1

Perusal time: **Fifteen (15)** minutes

Time allowed: **Two (2)** hours after perusal

Answer **ALL FOUR (4)** questions

Answer **FOUR** questions each worth 30 marks .....total 120 marks

*Medicine and Surgery of Unusual Pets Paper 1*

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# Paper 1: Medicine and Surgery of Unusual Pets

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Answer all four (4) questions

1. Discuss the epidemiology and control of a snake mite infestation (*Ophionyssus natricis*) in a snake collection. Your answer should include: the life cycle and transmission of the mite, diagnosis, ways of preventing infestation, treatment principles and options, and the mode of action of commonly used treatment protocols. (30 marks)
2. Describe the gastrointestinal anatomy and function of a guinea pig (*Cavia porcellus*). (30 marks)
3. Describe the set up for rearing crickets for feeding as food items to reptiles. Include relevant information on biology, housing, captive behaviour and recommendations for breeding. (30 marks)
4. Describe the clinical signs, and discuss the differential diagnosis of neurological disease in a captive python collection in Australia. Include detail of the pathophysiology, epidemiology (where known) and diagnostic tests with each differential diagnosis. (30 marks)

**End of paper**



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June 2013

## Medicine and Surgery of Unusual Pets Paper 2

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Answer **ALL FOUR (4)** questions

Answer **FOUR** questions each worth 30 marks .....total 120 marks

*Medicine and Surgery of Unusual Pets Paper 2*

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# Paper 2: Medicine and Surgery of Unusual Pets

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Answer all four (4) questions

1. Describe the clinical signs, diagnosis and treatment of intestinal obstruction in a rabbit (*Oryctolagus cuniculus*). (30 marks)
2. Describe the clinical signs, diagnosis and treatment of pancreatic neoplasia in a ferret (*Mustela putorius furo*). (30 marks)
3. A wildlife carer presents a hand-reared, furred common brushtail possum (*Trichosurus vulpecular*) pouch young with diarrhoea and illthrift. Describe the clinical signs, diagnosis and treatment of this animal. (30 marks)
4. Using table format; compare and contrast the pre-, peri- and post-anaesthetic considerations and management of each of the following species: a ferret (*Mustela putorius furo*), a rat (*Rattus norvegicus*) and a central bearded dragon (*Pogona vitticeps*). List the mode of action of each drug referred to. (30 marks)

**End of paper**