



Australian and New Zealand College of Veterinary Scientists

Membership Examination

June 2018

Animal Welfare

Paper 1

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

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

Answer **ALL SIX (6)** questions

Answer **SIX (6)** questions, each worth 20 markstotal 120 marks

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Paper 1: Animal Welfare

Answer all six (6) questions

1. Discuss the regulatory framework to safeguard the welfare of animals used in either Australia or New Zealand. Include in your answer a description of how legislation and assurance schemes are utilised **and** discuss their effectiveness. In addition, briefly compare and contrast this framework with another international example to support your answer. (20 marks)

2. Critique the main ethical arguments for and against the use of animals in entertainment (e.g. circuses or rodeos). Include in your answer the names of the ethical frameworks being used. (20 marks)

3. Discuss **three (3)** different ways that veterinarians demonstrate leadership in animal welfare other than providing veterinary treatment to their patients as a practitioner. (20 marks)

4. Answer **both** parts of this question:
 - a) Explain why consideration of pain is important **and** how one can assess it. (15 marks)

 - b) Briefly discuss **one (1)** ethical dilemma facing veterinarians relating to pain management of a geriatric companion animal. (5 marks)

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5. With regard to acts of animal cruelty to companion animals:
- a) Briefly describe **two (2)** different commonly reported examples of cruelty to animals and **one (1)** initiative that can help prevent animal cruelty. *(12 marks)*
 - b) There is a known link between domestic violence and animal cruelty. Briefly discuss the role of the veterinarian in suspected cases. *(8 marks)*
6. The use of live animals for the teaching of veterinary medicine and surgery occurs in most veterinary schools. Discuss the ethical arguments, supporting **and** opposing, of teaching practicals that utilise live animals in either Australia or New Zealand. *(20 marks)*

End of paper



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Paper 2: Animal Welfare

Answer all six (6) questions

1. Answer **both** parts of this question:
 - a) Discuss the evidence you would provide to support the statement that, ‘understanding the emotional state of animals is a key consideration for ensuring good animal welfare’. (10 marks)
 - b) Briefly describe **two (2)** specific examples of behavioural tests that could be used to determine an animal’s emotional state **and** the advantages and disadvantages of **each** example. (10 marks)
2. Describe how you would design a study using **two (2)** physiological and **two (2)** behavioural measures to determine the welfare impact of aversive training equipment in horses. (20 marks)
3. Outline the structure and content required to write a review of the key ethical and welfare issues with either commercial kangaroo harvesting **or** possum control (choose one). (20 marks)
4. Surgical husbandry procedures remain a significant challenge for the livestock industries. With regard to mulesing in sheep **or** tail docking in dairy cattle:
 - a) Outline major stakeholder groups and their concerns or interests using an ethical matrix. (10 marks)
 - b) Describe current or potential strategies to improve welfare. (10 marks)

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5. Critique the positive **and** negative effects, in terms of fish welfare, of commercial wild harvesting versus the farming of fish. *(20 marks)*

6. Pedigree dogs may suffer from a variety of welfare issues due to genetic problems. Describe the welfare impact of **three (3)** major health disorders **and** how veterinarians can minimise adverse welfare outcomes arising from poor breeding practices.
(20 marks)

End of paper