



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