



# Australian and New Zealand College of Veterinary Scientists

## Membership Examination

June 2014

### Animal Welfare

### Paper 1

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

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

Answer **ALL FIVE (5)** questions

Answer **FIVE** questions each worth 24 marks .....total 120 marks

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# Paper 1: Animal Welfare

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Answer all five (5) questions

1. Answer **either** of the following: (24 marks)
  - a) The animal welfare legislation in New Zealand is in the process of being reviewed and rewritten. Describe the suggested changes that are proposed, and the benefits and/or costs of each change.

**or**

  - b) In Australia, animal welfare legislation is determined at both federal and state level. Describe the role both levels of government play in the animal welfare legislative process, and the impact having different levels has on effective regulation.
2. There are often differences between public opinion and scientific findings in relation to the animal welfare implications of management practices or procedures. Discuss the reasons for these differences in relation to the welfare of free ranging layer hens. (24 marks)
3. The management of research using animals is covered by specific legislation in New Zealand and Australia. Discuss the role veterinarians play in assessing the ethical acceptability of animal based research. (24 marks)
4. The ethical assessment of animal use is a common subject of discussion in philosophical and veterinary circles. Describe how to assess the ethical acceptability of kidney transplantation in cats. (24 marks)
5. Veterinarians are considered by the public to be experts in animal welfare. Discuss the role that veterinarians play in the protection and improvement of animal welfare in society. (24 marks)

**End of paper**



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# Paper 2: Animal Welfare

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Answer all five (5) questions

1. Thousands of unwanted dogs and cats are euthanased every year in Australia and New Zealand. For **either** the dog **or** the cat discuss:

- a) The major reasons for the problem of unwanted animals. *(12 marks)*
- b) How the number of unwanted animals might be reduced by regulation and education. *(12 marks)*

2. Regarding sport fishing both for food and 'catch and release'.

Answer **all** parts of this question:

- a) Describe the evidence that fish feel pain. *(12 marks)*
- b) Discuss the reasons sport fishing continues to be allowed. *(6 marks)*
- c) Describe the techniques available to decrease the threat to the welfare of fish of sport fishing. *(6 marks)*

3. Regarding the welfare of calves sent for slaughter at seven days of age:

- a) Discuss how this practice impacts on welfare in these animals. *(12 marks)*
- b) Describe the measures used to maintain the welfare of these animals. *(12 marks)*

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4. Answer **all** parts of this question:

- a) Define stereotypic behaviour in an animal. (6 marks)
- b) Describe the stereotypic behaviours seen in the horse. (6 marks)
- c) For **each** stereotypic behaviour in 4 b), describe the known risk factors and possible management strategies to reduce their impact. (12 marks)

5. Administration of analgesics is one way in which veterinarians improve the welfare of their patients.

Answer **both** parts of this question:

- a) Describe the ways in which pain in dogs can be identified. (12 marks)
- b) Justify which of the methods described in 5 a) of identifying pain is likely to be of most use in a clinical situation. (12 marks)

**End of paper**