



Australian and New Zealand College of Veterinary Scientists

Membership Examination

June 2012

Animal Welfare

Paper 1

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

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

Answer **ALL FIVE (5)** questions

All questions are of equal value

Answer **FIVE** questions each worth 20 markstotal 100 marks

Paper 1: Animal Welfare

Answer ALL five (5) questions

1. Review the responsibilities of a veterinarian, involved directly or indirectly in research in Australia or New Zealand, in ensuring the application of Russell and Burch's '3 Rs' in animal-based research. *(20 marks)*
2. As a veterinarian, discuss how you could provide input to improve the welfare of cats and kittens in 'stray' or 'un-owned' cat populations. *(20 marks)*
3. Two philosophical approaches to the welfare of animals are encompassed by the concepts of 'animal welfare' and 'animal rights'. Discuss the implications of these two concepts on animal management and welfare; from political, philosophical, sociological and trade perspectives. *(20 marks)*
4. Codes of Welfare/ Codes of Minimum Welfare have been developed to protect or improve the welfare of animals. Some of these are enshrined in law. Describe how these documents are developed in either Australia **or** New Zealand and discuss their effectiveness in improving animal welfare. *(20 marks)*
5. Define animal suffering and briefly describe how it is assessed. Then giving examples, discuss how we should decide if animal suffering is necessary and acceptable. *(20 marks)*

End of paper



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Answer **ALL FIVE (5)** questions

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Answer **FIVE** questions each worth 20 markstotal 100 marks

Paper 2: Animal Welfare

Answer ALL five (5) questions

1. Answer **both** subparts of this question:
 - a) Discuss the use of behavioural indices to assess the welfare of animals. *(10 marks)*
 - b) Discuss how the results of behavioural assessments compare with those of other means of assessing the welfare of animals. *(10 marks)*

2. Describe the concept of quality of life in terms of biological function, 'feelings' and natural existence. Discuss how this concept might influence veterinary decisions. *(20 marks)*

3. Discuss the difficulties (ethical, logistical and others) of identifying, quantifying and alleviating the pain caused by ovariohysterectomy in the bitch carried out in an isolated, poor or undeveloped area as part of a volunteer desexing program. *(20 marks)*

4. Debate the following statement:

'Consumer concern about animal welfare does not seem to influence changes in intensive animal production systems'. *(20 marks)*

5. Complete **both** subparts of this question:
 - a) Briefly discuss the relationship between disease and the welfare of animals. *(10 marks)*
 - b) Describe how good stockmanship may improve animal welfare and increase productivity in dairy, poultry or pig production systems. *(10 marks)*

End of Paper