



Australian College of Veterinary Scientists

Fellowship Examination

June 2010

Animal Welfare Science, Ethics and Law

Paper 1

Perusal time: **Twenty (20)** minutes

Time allowed: **Three (3)** hours after perusal

Answer **four (4)** from the six questions **only**.

All questions are of equal value.

Subsections of questions are of equal value unless stated otherwise.

Answer all parts of the question unless requested otherwise.

Paper 1: Animal Welfare Science, Ethics and Law

Answer four (4) from the six questions only.

1. Discuss the development of public, political and scientific interest in animal welfare over the last 50 years, citing some of the key individuals who have contributed to the international literature and some of the key issues and concepts which have influenced scientific, policy and legislative thinking.
2. Discuss the relationship between livestock agriculture and climate change, including the potential animal welfare consequences of climate change for production animals and how these effects might be mitigated.
3. Discuss the range of contributions which veterinarians make to animal welfare; the role played by various professional bodies and associations at the national, regional and international level; the adequacy of teaching at both undergraduate level and postgraduate level; and the potential for a greater veterinary leadership role in animal welfare.
4. The Three Rs are essential in the practice of humane animal-based science. Give examples of their use and limitations in practice and discuss the degree of ownership and buy-in by the animal-based research community.
5. Discuss the validity of the distinction between animal welfare, animal rights and animal rights extremism; and the impact of associated lobby groups on public opinion and political responsiveness internationally.
6. As a veterinarian, you are asked to advise the Minister on issues associated with the long distance transport of sheep and cattle for slaughter. Explain the ethical, economic, cultural and welfare issues that should be covered.

End of paper



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Paper 2: Animal Welfare Science, Ethics and Law

Answer four (4) from the six questions only.

1. Discuss animal welfare as an international trade policy issue, with particular reference to the relevance of World Trade Organisation (WTO) agreements, the concept of production and processing methods (PPMs), the influence of the market place, the role of the World Organisation for Animal Health (OIE), and the differing attitudes of international trading blocs.
2. You are asked to advise the Kennel Club on how to improve the health and welfare of companion dogs. Discuss the priority issues you might address and what ethical and welfare issues need to be covered.
3. Discuss welfare concerns in the dairy industry, contrasting the advantages and disadvantages of both extensive and intensive management systems with particular reference to the linkage between animal welfare, animal health, environmental and animal production considerations.
4. Discuss the legal, ethical and welfare issues associated with the training of veterinary students in surgical procedures, including the changes in policy which have occurred over the last 20 years and possible future developments.
5. Discuss welfare considerations arising from vertebrate pest and wild animal control (for environmental, public health and disease control reasons), and the management of stray dog populations (for rabies control and other purposes).
6. 'Xenotransplantation will solve the problem of replacement organs in humans'. Discuss this statement and its implications in terms of animal welfare, animal health and ethical considerations.

End of paper