Australian and New Zealand College of Veterinary Scientists

Membership Examination

June 2021

Animal Welfare

Paper 1

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

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

Answer **ALL SIX (6)** questions

Question 2 b) requires answering in your provided answer booklet Answer **SIX (6)** questions, each worth 20 marks ....total 120 marks

Paper 1: Animal Welfare

Answer all six (6) questions

1. Answer **both** parts of this question:

    a) Outline the structure of the animal welfare legislative framework and enforcement in Australia or New Zealand. Specify in your response the jurisdiction which your answer is describing and refer to legislation by name in your response.   *(8 marks)*

    b) Describe **three (3)** ways to improve the effectiveness of this legislation in safeguarding animal welfare.   *(12 marks)*

2. Answer **both** parts of this question relating to horse racing:

    a) By using **one (1)** ethical framework for each view, discuss the ethical issues supporting and opposing horse racing. Your response should identify the framework used.   *(10 marks)*

    b) In the answer booklet provided, use the ethical matrix to outline the potential impacts on horses and trainers/owners as individual stakeholders.   *(10 marks)*

3. Discuss the ethical and welfare aspects of keeping dolphins in captivity.   *(20 marks)*

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4.   In relation to conducting an animal welfare audit on a commercial dairy farm.

Answer **both** parts of this question:

a) Define and discuss **two (2)** advantages and **two (2)** disadvantages of using animal-based measures. Give **two (2)** examples of appropriate animal-based measures.   *(10 marks)*

b) Define and discuss **two (2)** advantages and **two (2)** disadvantages of using resource-based measures. Give **two (2)** examples of appropriate resource-based measures.   *(10 marks)*

5.   There has been extensive discussion about the use of trap, neuter and return (TNR) methods to manage unowned cats. Describe **five (5)** key welfare issues *(15 marks)* associated with TNR and justify whether you support or oppose the use of this management tool *(5 marks).*

6.   Answer **both** parts of this question:

a) Discuss **four (4)** welfare risks for dogs used for animal-assisted therapy.
(12 marks)

b) Outline options to minimise the negative impacts for **two (2)** of these risks.
(8 marks)

End of paper

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Paper 2

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Answer **ALL** <u>**SIX (6)**</u> questions

Answer <u>**SIX (6)**</u> questions, each worth 20 marks ....total 120 marks

Paper 2: Animal Welfare

Answer all six (6) questions

1. Recreational hunting is a contentious issue. Describe and discuss the ethical and welfare arguments used to justify and to oppose recreational hunting.   *(20 marks)*

2. You have been contracted to write a report for the government regarding the suitability of a particular native mammal species being kept as a companion animal. Describe the physical and behavioural needs of native animals that need to be addressed in your report and explain why these are important.   *(20 marks)*

3. There is evidence that changes in climatic conditions in Australia and New Zealand are resulting in an increasing frequency and severity of natural disasters. The evacuation of pet-owners, with or without their animals, is sometimes necessary in response to such disasters.

    Answer **both** parts of this question:

    a) Explain why first-response agencies need to understand the importance of the human-companion animal relationship when preparing for natural disasters.
       (5 marks)

    b) Identify **three (3)** roles that veterinarians can play in relation to either preparing for, or responding to, a natural disaster, other than providing veterinary treatment. For each of these roles, explain how veterinarians can minimise the animal welfare risks.   *(15 marks)*

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

   a) Identify the challenges of assessing pain in laboratory research animals and discuss how these challenges might be overcome.   *(12 marks)*

   b) You are working in a veterinary hospital where pain relief has historically not been routinely administered following surgical procedures. Briefly discuss **four (4)** reasons for promoting the use of pain relief in this context.   *(8 marks)*

5.   Describe and discuss the welfare risks and benefits associated with caged layer hens, with reference to the five domains.   *(20 marks)*

6.   Interest in the welfare of fish has increased in recent decades.

    Answer **all** parts of this question:

   a) Identify and briefly discuss **two (2)** characteristics of fish that are relevant to their welfare.   *(4 marks)*

   b) Describe **two (2)** welfare risks associated with farmed fish. Discuss how each risk might be minimised.   *(8 marks)*

   c) Describe **two (2)** welfare risks associated with wild-caught fish. Discuss how each risk might be minimised.   *(8 marks)*

End of paper