

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

Tuesday 24 August 1999

PAPER I

General

(Total 3 hours)

(This paper is in two Sections; suggestions on the way in which the time available should be allocated to each Section are made below).

Candidates are warned that illegible handwriting may result in examiners being unable to award marks for information which candidates intended to convey.

If insufficient time is available to answer a question fully, it will be acceptable to complete in note form.

SECTION A

(1½ hours)

ALL EIGHT questions MUST be answered. Approximately 1½ hours should be allowed.

1. Scientific procedures are classified as of mild, moderate or substantial severity. Give **one example** of each and justify it in terms of its potential benefit to mankind.
2. **List** and **briefly** discuss arguments for and against animal research suitable for an audience of eleven-year-olds.
3. **Briefly outline** the legislation for the control of dangerous dogs. How may this affect the welfare of pet dogs?
4. **List** the strengths and weaknesses of preference tests. How may such test designs be improved?

P.T.O. for Questions 5, 6, 7, and 8

5. **List** the main risk factors for foot lameness in dairy cattle and indicate briefly how these risks may be reduced.
6. What do you understand by the concept of 'virtue' as it applies to veterinary conduct?
7. Explain the motivational basis of the 'rebound' effect. How could you seek to demonstrate it experimentally?
8. What methods are available for gas stunning of pigs and poultry? **Briefly** compare them with electrical stunning in terms of animal welfare and meat quality.

P.T.O. for SECTION B Questions 9 - 14

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

Tuesday 24 August 1999

PAPER I

SECTION B

(1½ hours)

THREE of SIX questions must be answered; approximately 1½ hour should be allowed i.e. 30 minutes per question.

9. "Animals enjoy performing circus tricks". Discuss this statement.
 10. Discuss methods for controlling the population of foxes and deer in the U.K.
 11. Define and describe animal cognition. What, in your opinion, is the distinction between cognition and consciousness?
 12. Discuss the ethics of drug use in farm animals
 13. Prepare advice for a primary school planning to house animals for teaching purposes.
 14. Devise a series of experiments designed to discover whether broiler chickens suffer pain.
-

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

Tuesday 24 August 1999

PAPER II

(Total 3 hours)

ONE of SIX questions must be answered.

Candidates are warned that illegible handwriting may result in examiners being unable to award marks for information which candidates intended to convey.

You are required to write an essay on ONE of the following topics. You may wish to discuss it in breadth and in depth but you will be marked on your overall knowledge of the topic as well as critical review. You should consider both practical as well as theoretical angles, and contrast the different stances where appropriate.

-
1. Stress and suffering in animals.
 2. Teaching animal welfare at School and University.
 3. GATT and animal welfare.
 4. Animals, culture and religion.
 5. The relationship between law and ethics.
 6. Intensive and extensive animal production systems.
-

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

Tuesday 22 August 2000

PAPER I

General

(Total 3 hours)

PAPER 1 CONTAINS TWO SECTIONS A and B

(Suggestions on the way in which the time available should be allocated to each Section are made below).

Illegible handwriting or failure to answer the question in the form requested may result in examiners being unable to award marks for information which candidates intended to convey.

If insufficient time is available to answer a question fully, it will be acceptable to complete in note form.

SECTION A

(1½ hours)

**ALL EIGHT questions MUST be answered;
approximately 1½ hours should be allowed for this Section.**

1. Why are cats, dogs, primates and horses given special consideration under the Animals (Scientific Procedures) Act, 1986 ?
2. **List and briefly** discuss arguments for and against the keeping of captive animals in zoos suitable for an audience of eleven-year-olds.
3. **Briefly outline** methods for assessing the efficacy of electrical stunning in pigs.
4. When will the new EC Standards for enriched cages for laying hens come into force? Indicate **briefly** how they are designed to meet the behavioural needs of the hen.
5. Define and distinguish between cognition and consciousness.
6. How does the Animals (Scientific Procedures) Act, 1986 protect the foetus? In what ways might this section of the Act be amended?
7. What are the most important characteristics of a good cubicle for dairy cows?
8. Define and **briefly** categorise 'Speciesism' within the context of classical principles of ethics.

P.T.O. for SECTION B

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

Tuesday 22 August 2000

PAPER I

SECTION B

(1½ hours)

**THREE of the following SIX questions must be answered;
approximately 1½ hours should be allowed i.e. 30 minutes per question.**

- 9 Anxiety may be a source of distress to animals (e.g. in isolation or strange surroundings). Describe how you would experimentally investigate the nature of anxiety in a named species.
- 10 Discuss the use of healthy animals for the training of veterinary students.
11. Discuss the use of non-therapeutic surgical procedures on farm animals, with reference to the Banner (1995) Report on the Ethical Implications of Emerging Technologies.
12. Discuss the welfare problems associated with the slaughter of poultry. Suggest improvements that could be implemented now or developed in the future.
13. **Outline** and discuss the ethical principles that should inform the debate on hunting with dogs.
14. Do guide dogs for the blind get a fair deal?

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

Tuesday 22 August 2000

PAPER II

(Total 3 hours)

PAPER II CONTAINS A CHOICE OF ONE OF SIX QUESTIONS

You are required to write an essay on ONE of the following topics. You will be marked on the basis of your ability to structure and analyse your argument from first principles of animal welfare science, ethics and law, and to illustrate your structured argument with evidence from published work and practical experience. These principles and this evidence should be used to justify your conclusions.

Illegible handwriting or failure to answer the question in the form requested may result in examiners being unable to award marks for information which candidates intended to convey.

-
1. 'Unnecessary suffering'
 2. Teaching animal welfare at School and University
 3. 'Refinement' of scientific procedures with animals.
 4. Export of live animals.
 5. Conservation and animal welfare
 6. The phylogeny of sentience
-

ROYAL COLLEGE OF VETERINARY SURGEONS
DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

MONDAY 6 JULY 2009

PAPER I
General
(Total 3 hours)

PAPER 1 CONTAINS TWO SECTIONS A and B

(Suggestions on the way in which the time available should be allocated to each Section are made below).

Illegible handwriting or failure to answer the question in the form requested may result in examiners being unable to award marks for information which candidates intended to convey. If insufficient time is available to answer a question fully, it will be acceptable to complete in note form.

SECTION A
(1½ hours)

ALL EIGHT questions MUST be answered;
approximately 1½ hours should be allowed for this Section.

1. What are the major factors to take into consideration when reviewing a method of slaughter for humaneness?
 2. What are the major factors to consider when proposing a measure for farm assurance?
 3. What measures are required to protect the welfare of horses competing in international competitive sport e.g. (Federation Equestre Internationale - FEI)?
 4. **Define** stereotypical behaviour. **Briefly describe** one stereotypy commonly observed in **each** of the following species: pigs, horses and elephants.
 5. What are the major changes to the minimum standards for the protection of laying hens in the European Union which were introduced by the 1999 Directive?
 6. What are the major factors affecting the welfare of farmed fish such as salmon or trout?
- P.T.O. for Questions 7 - 8**
7. **List** the main **advantages and disadvantages** of using activation of the sympathetic nervous system as a measure of poor welfare state. **Briefly state** how you might reconcile these.
 8. What legislative and administrative measures are currently in place to protect the welfare of animals kept in zoological collections in the United Kingdom?

P.T.O. for Section B

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE,
ETHICS AND LAW

MONDAY 6 JULY 2009

PAPER 1
SECTION B
(1½ hours)

THREE of the following SIX questions must be answered;
approximately 1½ hours should be allowed i.e. 30 minutes per question.

9. **Design** an experiment to test the hypothesis that laying hens with keel fractures consciously experience pain. **Identify** the principal argument(s) there might be to your conclusion.
 10. **Discuss** how measurements made for farm assurance can be or have been validated.
 11. **Discuss THREE** ethical issues raised by the Animal Welfare Act 2006 giving the ethical principles involved and how compliance might be measured.
 12. **Discuss** why special consideration should be given to primates in research.
 13. **Describe** the principal provisions of the Animal Welfare Act 2006, with an emphasis on the ways in which its provisions are similar to, and different from, those of the Protection of Animals Acts, and **discuss** the extent to which the relevant legislation differs in the constituent parts of the United Kingdom.
 14. Explain the difference in the nature of an appeal and a judicial review. Give **ONE** example for **each**.
-

ROYAL COLLEGE OF VETERINARY SURGEONS

DIPLOMA EXAMINATION IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW

MONDAY 6 JULY 2009

PAPER II

(Total 3 hours)

PAPER II CONTAINS A CHOICE OF ONE OF SIX QUESTIONS

You are required to write an essay on ONE of the following topics. You will be marked on the basis of your ability to structure and analyse your argument from first principles of animal welfare science, ethics and law, and to illustrate your structured argument with evidence from published work and practical experience. These principles and this evidence should be used to justify your conclusions.

Illegible handwriting or failure to answer the question in the form requested may result in examiners being unable to award marks for information which candidates intended to convey.

-
1. A Duty of Care.
 2. World Trade, The Market and Food Animal Welfare.
 3. Animal Welfare Assessment.
 4. Ethics, Religion, Culture and Animal Welfare.
 5. Ethical Issues in Veterinary Practice.
 6. The controlled hunting of charismatic megafauna by trophy tourists in Africa.
-