



The Australian and New Zealand
College of Veterinary Scientists

Fellowship Examination

June 2012

Feline Medicine

Paper 1

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

Time allowed: **Four (4)** hours after perusal

In **Section A**: Answer **FOUR (4)** questions from the five questions **ONLY**

All five questions in **Section A** are of equal value

In **Section B**: You must answer the **ONE (1)** Question

Section A: Answer **FOUR** questions each worth 20 markstotal 80 marks

Section B: Answer the **ONE** question worth 20 markstotal 100 marks

Paper 1: Feline Medicine

SECTION A:

Answer four (4) of five questions:

1. Discuss the proposed pathophysiology by which hepatic lipidosis develops in cats. (15 marks) List the typical laboratory abnormalities that occur with this condition and briefly outline the mechanisms by which those abnormalities develop. (5 marks)

2. List potential cardiac biomarkers and briefly describe their production and potential clinical application in feline medicine. (12 marks) Briefly discuss the current published evidence for their use in feline medicine. (8 marks)

3. Describe the renal changes associated with feline hyperthyroidism. (4 marks) Outline how recent evaluation of these changes has potentially changed management of this condition. (16 marks)

4. Answer **both** subparts of this question
 - a) There are key areas within the brain, which when disease is present, have a defined set of neuroanatomical clinical signs. Identify the anatomic location of these areas, and for each of them, list the typical physical examination findings associated with disease of each area. (12 marks)

 - b) List infectious aetiologies for feline brain disease, including diseases that are both exotic and non-exotic to Australia. For each aetiology, describe the history and physical examination findings and common diagnostic test results that would be used to confirm a diagnosis. (8 marks)

5. Discuss in detail; the anatomical classification, immunophenotypic typing, and staging of feline lymphoma. With regard to these classifications and staging, discuss the prognosis for cats with different forms of lymphoma. (14 marks) In your answer discuss the factors that may be associated with positive and negative effects on survival times. (6 marks). Cite the current published literature where it is relevant.

End of Section A

SECTION B

You must answer this question.

6. Describe the mechanism of action (*10 marks*), indications (*5 marks*) and potential adverse effects (*5 marks*) for **ALL** of the following drugs:
- a) lomustine (CEENU/CCNU)
 - b) ciclosporin (cyclosporin)
 - c) azithromycin
 - d) feline interferon omega.

End of paper