



Australian and New Zealand College of Veterinary Scientists

Membership Examination

June 2012

Avian Health (Caged and Aviary Birds)

Paper 1

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

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

Answer **ALL FOUR (4)** questions

All questions are of equal value unless stated otherwise

Answer **FOUR** questions each worth 25 markstotal 100 marks

Paper 1: Avian Health (Caged and Aviary Birds)

Answer ALL four (4) questions.

1. Discuss the indications, route, dose, possible adverse effects and contraindications of the following medications in parrots:
 - a) Doxycycline (5 marks)
 - b) Amoxicillin + Clavulanic Acid (5 marks)
 - c) Buprenorphine (5 marks)
 - d) Amphotericin B (5 marks)
 - e) Moxidectin (5 marks)

2. Describe the typical gross necropsy findings that you would expect in the following disease processes:
 - a) *Macrorhabdus ornithogaster* in a budgerigar (*Melopsittacus undulatus*) (8 marks)
 - b) Aspergillosis in a two-year-old blue and gold macaw (*Ara ararauna*) (8 marks)
 - c) Polyomavirus in an African grey parrot (*Psittacus erithacus*) (9 marks)

3. Describe the clinical signs and diagnosis of PBFDV (psittacine circovirus) in captive parrots. (25 marks)

4. Comment on the aetiology, clinical signs, diagnosis and treatment of pancreatic disease in parrots. (25 marks)

End of paper



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Answer **ALL FOUR (4)** questions

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Answer **FOUR** questions each worth 25 markstotal 100 marks

Paper 2: Avian Health (Caged and Aviary Birds)

Answer ALL four (4) questions.

1. Discuss an outbreak of paramyxovirus in pigeons in your local community. Your answer should include **each** of the following points:
 - a) Clinical signs in pigeons (6 marks)
 - b) Information about the epidemiology of pigeon paramyxovirus that in your opinion should be provided to clients and the public (6 marks)
 - c) Significance of an incursion into Australia or New Zealand (6 marks)
 - d) Control measures you would recommend to clients (7 marks)

2. An aged hyacinth macaw (*Anodorhynchus hyacinthinus*) has been legally imported from the USA by one of your clients several years ago and now has malodorous stools and occasional vomiting with weight loss over the past month.
 - a) List differential diagnoses. (5 marks)
 - b) Discuss your diagnostic approach to this case. (20 marks)

3. Describe the surgical procedure and potential complications of salpingohysterectomy in a sulphur-crested cockatoo (*Cacatua galerita*). (25 marks)

4. Describe your anaesthetic regimen for a sulphur-crested cockatoo (*Cacatua galerita*). Include pre-anaesthesia, surgical preparation, patient support, monitoring, signs with anaesthetic planes and recovery. (25 marks)

End of paper