



The Royal College of Pathologists

Pathology: the science behind the cure

## Part 1 examination

### Veterinary Pathology: Second Paper (Avian Pathology)

Tuesday 20 September 2016

Time allowed: 3 hours

#### Section 1: Essay questions. Choose 3 of 5

1. Describe the pathology of Proventricular Dilation Disease. Outline the current evidence for the aetiology of this disease, including any role in non-psittacine species.
2. Describe the protozoal diseases of importance in game birds.
3. Give an account of the pathology, aetiology and pathogenesis of toxoplasmosis in birds.
4. Give an account of neoplasia-associated viral infections in birds, and their differential diagnosis.
5. Give an account of infectious diseases affecting predominantly the proventriculus of birds.

#### Section 2: Short answer questions. Choose 3 of 5

1. Write short notes on the following:
  - a) Iron storage disease in birds
  - b) Duck Hepatitis Virus (DHV-1)
  - c) Avian rickets
2. Write short notes on the following:
  - a) Avian Vacuolar Myelinopathy
  - b) White chick disease
  - c) Amyloid arthropathy in chickens
3. Write short notes on the following:
  - a) Vitamin E deficiency in birds
  - b) Parvoviruses in geese and ducks
  - c) Pulmonary hypersensitivity syndrome of macaws

4. Write short notes on the following:

- a) Inguvitis in wild passerine birds
- b) avian metapneumovirus of Turkeys (rhinotracheitis)
- c) Broiler ascites syndrome

5. Write short notes on the following:

- a) Avian malaria
- b) Avian Keratin Disorder
- c) Peripheral neuropathy in poultry