



The Royal College of Pathologists

Pathology: the science behind the cure

## Part 1 examination

### Veterinary Pathology: Second Paper (Large Domestic Animals: Pig)

Tuesday 20 September 2016

Time allowed: 3 hours

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

1. Write an essay on the causes, pathology, and investigation of abortion in small ruminants.
2. Give an account of the pathology and pathogenesis of skin disease in pigs.
3. Give an account of the pathology and pathogenesis of infectious diseases affecting the intestinal tract of the pig.
4. Give an account of the pathology and pathogenesis of infectious respiratory diseases affecting cattle.
5. Give an account of the pathology and pathogenesis of muscle disease in cattle and pigs.

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

1. Write short notes on the following:
  - a) Testicular and epididymal disease in ruminants.
  - b) Ovine white liver disease.
  - c) Patterns of pneumonia in pigs.
2. Write short notes on the following:
  - a) Urolithiasis in ruminants and pigs.
  - b) Salt poisoning in pigs.
  - c) Squamous cell carcinoma in cattle.
3. Write short notes on the following:
  - a) Louping ill in sheep.
  - b) Hepatotoxins in pigs.
  - c) Schmallenberg virus infection in ruminants.

4. Write short notes on the following:

- a) Interstitial nephritis in ruminants and pigs.
- b) Dermatophilosis in sheep.
- c) Nasal and sinus disease in sheep and pigs.

5. Write short notes on the following:

- a) Myocarditis in cattle.
- b) Diagnosis of clostridial infections in sheep.
- c) Causes of sudden death in pigs.



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## Part 1 examination

### Veterinary Pathology: Second Paper (Large Domestic Animals)

Tuesday 22 September 2015

Time allowed: 3 hours

#### Section 1- Essay questions

Candidates must answer **THREE** questions **ONLY** in this Section. Candidates are advised to allocate approximately 40 minutes to each essay attempted in this Section.

1. Write an essay on mycotoxicosis in ruminants.
2. Write an essay on the diagnosis of sudden death in weaned lambs illustrating your answer with common diseases
3. Write an essay on the causes and pathology of infectious nervous disease in pigs.
4. Compare and contrast the pathology of *Mycoplasma sp.* infection in cattle and pigs.
5. Write an essay on the causes, pathogenesis and pathology of gastrointestinal tract disease in adult cattle.

#### Section 2 - Short notes questions.

Candidates must answer **THREE** questions **ONLY** in this Section

1. Write short notes on the following;
  - a) *Lawsonia intracellularis* in pigs
  - b) Besnoitiosis in cattle
  - c) Ovine abortifacients
2. Write short notes on the following;
  - a) Neoplasia in sheep
  - b) African swine fever in pigs
  - c) Bracken poisoning in cattle

3. Write short notes on the following;
  - a) Amyloidosis in cattle
  - b) GM2 Gangliosidosis in sheep
  - c) Viral skin diseases of pigs
  
4. Write short notes on each of the following
  - a) Rickets in lambs
  - b) Osteomyelitis in cattle
  - c) Osteochondrosis in pigs
  
- 5 . Write short notes on each of the following
  - a) Renal disease in pigs
  - b) Myocardial disease in cattle
  - c) Copper poisoning in sheep



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## Part 1 examination

### Veterinary Pathology: Second paper Species Group Pathology: Large Domestic Animals (Horse)

Tuesday 25<sup>th</sup> September 2012

Time allowed: 3 hours

#### Section 1- Essay questions

Candidates must answer **THREE** questions **ONLY** in this Section. Candidates are advised to allocate approximately 40 minutes to each essay attempted in this Section.

1. Discuss the approach to the investigation of sudden unexpected death in the horse.
2. Give an account of the pathology of conditions involving the urinary tract of the horse.
3. Compare and contrast neoplastic conditions of the skin in cattle and horses.
4. Discuss congenital conditions involving the central nervous system of ruminants.
5. Write an essay on the infectious diseases involving the alimentary tract in neonatal calves.

#### Section 2 - Short notes questions.

Candidates must answer **THREE** questions **ONLY** in this Section; all three parts of each question to be answered

1. Write short notes on the following:
  - (a) Gastric ulceration in the horse.
  - (b) C cell tumours of the thyroid gland.
  - (c) Conditions affecting the bovine jaw.
2. Write short notes on the following:
  - (a) Equine hyperlipidaemia.
  - (b) Guttural pouch mycosis.
  - (c) The histopathological diagnosis of dysautonomia in the horse.

3. Write short notes on the following:

- (a) Streptococcal infections in the horse.
- (b) Gastro-intestinal neoplasia in sheep.
- (c) Pulmonary haemorrhage in cattle.

4. Write short notes on the following:

- (a) Spindle cell tumours of the equine gastro-intestinal system.
- (b) Listeria infections of ruminants.
- (c) Mycobacterium avium subspecies paratuberculosis infection in sheep.