



THE ROYAL COLLEGE OF PATHOLOGISTS

Part 1 Examination

Tuesday 20 September 2005

VETERINARY PATHOLOGY

(large domestic animals: farmed ruminants and pig)

Second Paper

Candidates must answer FOUR questions ONLY

Time allowed- THREE HOURS

1. Write short notes on each of the following:
 - a) porcine post-weaning multisystemic wasting syndrome (PMWS) and porcine dermatopathy nephropathy syndrome (PDNS)
 - b) lymphadenitis in sheep
 - c) renal disease in cattle.

2. Discuss the approach to the investigation of sudden unexpected death in farm animals.

Please turn over for Questions 3, 4 and 5

3. Give an account of respiratory disease in cattle and pigs resulting from infection with mycoplasmas.
4. Discuss the pathogenesis and differential diagnosis of mucosal diseases in cattle in Europe.
5. Discuss the pathology and pathogenesis of central nervous system disease in adult sheep.

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1. Give an account of the agonal and post mortem artefacts that may confuse interpretation of large animal necropsies.
2. Compare and contrast the pathology of Pestivirus infections in ruminants and pigs.
3. Summarise the currently available diagnostic modalities used in the investigation of prion diseases.
4. Compare and contrast encephalitides of sheep.
5. Write short notes on THREE of the following:
 - (i) Pyrrolizidine alkaloid intoxication
 - (ii) Fog Fever in cattle
 - (iii) Osteochondrosis in the pig
 - (iv) Ovine white liver disease.