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University Examinations 2012/2013

SECOND YEAR, SECOND SEMESTER EXAMINATIONS FOR DIPLOMA IN AGRICULTURE

ANS 0231: ANIMAL DISEASES

DATE: APRIL 2013

TIME: 1½ HOURS

INSTRUCTIONS: Answer questions *one* and any other *two* questions

QUESTION ONE – (30 MARKS)

- a. Explain what a clinician does after making a correct diagnosis. (5 Marks)
- b. List five methods used in control of animal diseases and for each mention one disease controlled. (5 Marks)
- c. What are the factors that predispose sheep to foot rot? (5 Marks)
- d. Name one disease/condition that cause each symptom listed below:
 - i. Recumbence
 - ii. Lameness
 - iii. Hemoglobinuria
 - iv. Abortions
 - v. Anaemia
- e. Compare fowl typhoid with Newcastle in poultry on the basis of etiology, epidemiology and control (5 Marks)
- f. State the characteristics of the following diseases: (5 Marks)
 - i. Rabies
 - ii. Vitamin A deficiency in pigs
 - iii. Foot and mouth disease
 - iv. Pollorum disease
 - v. Downer cow syndrome

QUESTION TWO – 15 MARKS

Name any three clinical signs of the following diseases:

- i. Pregnancy toxaemia in ewes (3 Marks)
- ii. African swine fever (3 Marks)
- iii. Nairobi sheep disease. (3 Marks)
- iv. East coast fever (3 Marks)
- v. Parturent paresis in cows. (3 Marks)

QUESTION THREE – 15 MARKS

- a. Show how signs of inflammation manifest in bovine mastitis. (10 Marks)
- b. Name the routine management practices of clinical importance that are performed in piglets and explain why they are done. (5 Marks)

QUESTION FOUR – 15 MARKS

- a. Explain the pathogenesis of lactic acidosis in ruminants. (7 Marks)
- b. Give one disease control method that is commonly used in control of each of the following diseases: (8 Marks)
 - i. Black quarter
 - ii. Brucellosis
 - iii. Trypanosomiasis
 - iv. Borine ketosis
 - v. Actinomcosis
 - vi. Mycotic dermatitis
 - vii. Helminthiasis
 - viii. Coccidiosis in poultry

QUESTION FIVE – 15 MARKS

- a. What is a metabolic disorder? (4 Marks)
- b. Name any three metabolic disorders affecting both cattle and ewes and for each name one predisposing factor. (6 Marks)
- c. Explain the pathogenesis and control of ammonia poisoning in ruminants. (5 Marks)