UNIVERSITY OF FORT HARE

AGV 323

SUPPLEMENTARY DEGREE EXAMINATIONS
JANUARY 2019

Time: 3 HOURS

Subject: Module title: Animal Health

Marks: 100

This paper consists of 4 pages including cover page

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Instructions
Answer one question from section A and any four questions from section B
Your answers should be brief, simple and straight to the point
SECTION A

1. Bovine Trichomoniasis is a venereal disease of cattle caused by a protozoan parasite. It has a long-standing endemic implication on animal reproductive performance (20 marks)
   (a) Mention the etiology of this disease (2)
   (b) Enumerate 5 ways in which this disease causes economic losses in any livestock business (5 marks)
   (c) List 5 clinical picture of the disease that you may see when taking herd history (5 marks)
   (d) Make a short discussion on how the disease can be diagnosed in bull, cow/heifer and fetus/placenta (3 marks)
   (e) Highlight 5 preventive/biosecurity measures that will assist in the control/prevention of this disease (5 marks)

2. Discuss Bovine genital campylobacteriosis using the following heading (20 marks)
   (a) Etiology (2 marks)
   (b) Transmission (4 marks)
   (c) Clinical signs (3 marks)
   (d) Diagnosis (4 marks)
   (e) Treatment and prevention (4 marks)
   (f) Campylobacter is among the top 5 food pathogens contributing foodborne illnesses; list three other bacteria cause food-related illness in man (3 marks)

SECTION B

3. Discuss the following on Grass Tetany:
   a. Etiology (5)
   b. Clinical signs (5)
   c. Prevention (5)
   d. Treatment (5)

4. Answer the following:
   a. Clinical signs of Parakeratosis in swine (8)
   b. Etiology of Parakeratosis in swine (2)
   c. Clinical signs of Hypoglycemia in piglets (5)
   d. Etiology of hypoglycemia in piglets (5)

5. Discuss the following:
   a. Etiology of Rumen Tympany (2)
   b. Types of Rumen Tympany and associated sign (8)
   c. Discuss therapy on the various bloats you were taught (10)
6. Discuss the following:
   a. What is rumenitis (2)
   b. List the various classes of Vagus Indigestion Syndrome (4)
   c. Mention 2 differential diagnosis of Abomasal Impaction (2)
   d. List the four categories of abomasal ulcers and indicate which ones are life threatening in ruminant (4)
   e. List 4 diseases that are included in Ruminant Carbohydrate Engorgement (4)
   f. Which animal is most affected by Abomasal Emptying Defect (2)
   g. Mention one synonym for Traumatic Reticulo-Peritonitis (2)

7. List the clinical signs and treatment of Parturient Paresis in
   a. Stage I (4 marks)
   b. Stage II (4 marks)
   c. Stage III (4 marks)
   Also state the treatment of this disease in
   d. Stage I (4 marks)
   e. Stage II and III (4 marks)

   Good luck