

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

Internal Examiner Dr. I. F. Jaja

External Examiner Dr M. Zondi

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 (4marks)
  - (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**