



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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University Examinations 2024/2025

SECOND YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

AAP 2251: REPRODUCTIVE DISEASES AND DISORDERS

DATE: JANUARY 2025

TIME: 1½ HOURS

INSTRUCTIONS:

*Answer question **ONE** and any other **TWO** questions*

QUESTION ONE (30 MARKS)

- a) Differentiate between
 - i. fertility and sterility (2 Marks)
 - ii. Importentia ceundi and Importentia gerandi (2 Marks)
- b) List the infectious causes of infertility in dairy cows (5 Marks)
- c) Outline the clinical signs of bovine campylobacteriosis (5 Marks)
- d) Discuss the pathogenesis of a luteal cyst (3 Marks)
- e) Outline the importance of breeding records (5 Marks)
- f) List four reproductive hormones produced by the female animals (4 Marks)
- g) Outline the clinical signs of scours in calves (4 Marks)

QUESTION TWO (15 MARKS)

- a) Discuss clinical classification of mastitis (5 Marks)
- b) Discuss the second stage of parturition (6 Marks)
- c) Outline the clinical signs of EPIVAG (4 Marks)

QUESTION THREE (15 MARKS)

- a) Outline the causes of retained placenta (4 Marks)
- b) Explain the differences in cause, clinical signs and treatment of luteal and follicular cystic ovarian diseases (6 Marks)
- c) Discuss the treatment of bovine pyometra (5 Marks)

QUESTION FOUR (15 MARKS)

- a) Outline the causes of anoestrus (5 Marks)
- b) Discuss the navel ill of calves under the following subheadings
 - i. Aetiology (2 Marks)
 - ii. Clinical signs (2 Marks)
 - iii. Diagnosis (2 Marks)
 - iv. Treatment (2 Marks)
 - v. Prevention measures (2 Marks)