



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE WITH
INFORMATION TECHNOLOGY
(MAIN CAMPUS)**

AAN 208: REPRODUCTIVE PHYSIOLOGY

Date: 2nd April, 2014

Time: 8.30 – 10.45am

INSTRUCTIONS:

- Attempt ALL questions in section A and B.
- All questions carry marks as indicated.

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Attempt all questions in section A and B

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SECTION A

1. A) Explain the relationship between genetics and endocrinology in reproductive physiology (2 marks)
B) Outline the constituent of a good buffer/extender of semen (5 marks)
C) Name and state the function of two major hormones used in embryo transfer (2 marks)
D) Name and state the role of any three (3) Release Factors from hypothalamus that affects synthesis and secretions of corresponding hormones from the cells of adenohypophysis (3 marks)
2. A) State any three (3) ways by which Hormones are regulated (3 marks)
B) Explain the major Congenital defects that cause infertility in males (4 marks)
C) Citing examples, outline Induced ovulators as the categories of breeders (3 marks).
3. A) Uterus plays a very important role in female reproduction, name and state the function of the two major muscles found in the Endometrium layer of the uterus (4 marks)
B) Outline the cause of the blood discharge from the reproductive tract of the female livestock species (3 marks)
4. A) Explain freemartinism as infertility in females (5 marks).
B) Outline the different ways in which Parturition can be induced (4 marks)

SECTION B

5. Discuss the oestrus cycle in the cow (10 marks)
6. A) Outline the theories that trigger parturition in mammals (3 marks)
B) Discuss the stages of parturition (7 marks)
7. Discuss the management of Artificial insemination failure in a dairy cow (10 marks)