



UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE (ANIMAL NUTRITION)

ANSC 711: DIGESTIVE AND REPRODUCTIVE PHYSIOLOGY OF FARM ANIMALS

STREAM: MSC. (AN.NUTR)

TIME: 3 HOURS

DAY/DATE: FRIDAY 14/12/2012

8.30 A.M. – 11.30 A.M

INSTRUCTIONS:

Answer all questions

1. (a) Describe the formation of male gametes. [8 Marks]
 - (b) Indicate the difference between processes of formation of male and female gametes. [4 Marks]
 - (c) Outline the roles of hormones in the different stages of follicular growth. [8 Marks]
 2. Write short notes on the following
 - (a) Termination of oestrous cycle after fertilization (recognition of pregnancy) [4 Marks]
 - (b) Multi ovulation [4 Marks]
 - (c) Synchronization of oestrus [6 Marks]
 - (d) Blood – testis barrier [6 Marks]
 3. Discuss the hormonal control of pregnancy and parturition. [20 Marks]
 4. Describe the intrinsic nervous system of the gastro intestinal tract showing its relationship with the central nervous system. [20 Marks]
 5. Describe the secretion and control of gastric juice. [20 Marks]
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