



EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE- 2003/2004

ASC - 1201 FUNCTIONAL ANATOMY AND PHYSIOLOGY OF FARM ANIMALS (2:25/10)

Answer all questions

Time: 2 hours

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1. Write short notes on
  - a. Specific immune system (50)
  - b. Morphology and functions of the a **nephron** (50)
  
2.
  - a. Describe the electrical signal transmission along a nerve fiber (50)
  - b. Briefly explain the mammary gland development from prenatal stage to gestational (pregnant) stage (50)
  
3.
  - a. Discuss in detail the parturition process of a cow (60)
  - b. Illustrate the process of spermatogenesis in a bull testis(40)
  
4.
  - a. Explain the anatomical and physiological features of the poultry female reproductive system (50)
  - b. Briefly explain the anatomy and physiology of the poultry digestive system (50)