

EASTERN UNIVERSITY, SRI LANKA  
FIRST YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE -2009/2010  
AS 1201 ANATOMY AND PHYSIOLOGY OF FARM AND AQUATIC ANIMALS  
END SEMESTER EXAMINATION

Answer all questions  
Time allowed: 1 hour

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1. a. Briefly explain the physiological and hormonal changes during gestation in neat cattle. (40 marks)
- b. Briefly discuss the of followings:
- i. Milk let-down process in a cow (20 marks)
  - ii. Anatomy and physiology of the heart of a teleost (20 marks)
  - iii. Counter current mechanism of kidney (20 marks)
2. Write short notes on the followings:
- a. Humoral Immunity (antibody-mediated) (30 marks)
  - b. Neuro - hormonal mechanism of parturition (40 marks)
  - c. Protein and non-protein digestive process in ruminant (30 marks)

