

**EASTERN UNIVERSITY SRI LANKA**  
**FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRECUTURE-2007/2008**  
**ASC - 4103 REPRODUCTIVE PHYSIOLOGY**  
**END SEMESTER EXAMINATION – DEC/JAN- 2012/2013**



Answer all questions  
Time allowed: 1 hour

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1. Discuss the following:
  - a). Ovulation process in ruminant (50 marks)
  - b). Artificial insemination in cattle (50 marks)
  
2. a. Briefly explain the Sexual development and differentiation in buffalo (40 marks)
  
- b. Briefly discuss the followings: (60 marks)
  - i. Maternal recognition of pregnancy in primates and cattle
  - ii. Resumption of normal oestrous cycle after postpartum period
  - iii. Neuro-hormonal mechanism of parturition in cattle