

EASTERN UNIVERSITY SRI LANKA
FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE-2012/2013
AS - 4103 REPRODUCTIVE PHYSIOLOGY
END SEMESTER EXAMINATION -
March/April - 2015

Answer all questions

Time allowed: 1 hour

1. Discuss the following:

- a). Negative feedback regulation of sex hormones in bull (30 marks)
- b). Sexual differentiation in cattle (30 marks)
- c). A farmer complained that “the reproductive performance of cattle of his farm was very poor” Therefore, He would like to introduce one of the reproductive techniques to improve the better performance. Please explain most suitable techniques in detail (40 marks)

2. a. Explain in detail Resumption of normal oestrous cycle after parturition (40 marks)

b. Briefly discuss the followings: (60 marks)

- i. Structure and function of corpus luteum
- ii. Maternal recognition of pregnancy in primate
- iii. Oocyte pick-up and transport