

EASTERN UNIVERSITY, SRI LANKA
FINAL YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE-2013/2014
AS - 4104 LACTATION PHYSIOLOGY AND DIGESTION IN PRE-RUMINANTS
END SEMESTER EXAMINATION
NOV/ DEC 2018

Answer all questions
Time allowed: one hour

1. Describe the following;
 - a. Ingredients required to initiate rumen development (40 marks)
 - b. Development of mammary gland during pregnancy (30 marks)
 - c. Hormonal regulation of milk production (30 marks)

2. a. Briefly discuss the synthesis of protein, fat and lactose in mammary gland (40 marks)

- b. Write short notes on the following;
 - i. Induction of lactation (20 marks)
 - ii. Galactopoiesis (20 marks)
 - iii. Involution of mammary gland (20 marks)