

EASTERN UNIVERSITY, SRI LANKA
FIRST YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE -2016/2017
AS – 1201 ANATOMY AND PHYSIOLOGY OF FARM AND AQUATIC ANIMALS
END SEMESTER EXAMINATION
MAR/ APR 2019

Answer all questions

Time allowed: 1 hour

1.

- a. Describe the process of sexual differentiation during embryological development, resulting in the chromosomal, gonadal and phenotypic features of the male and female of cattle (60 marks)
- b. Explain the postpartum changes and re-follicular development in cow (20 marks)

2. Briefly describe the following:

- a. Anatomy and physiology of the chicken digestive system (30 marks)
- b. Protein and non-protein digestive process in ruminant (30 Marks)
- c. Behavioral and physiological changes during the estrous cycle in cow (40 marks)