

WOMEN'S UNIVERSITY IN AFRICA



Addressing gender disparity and fostering equity in University Education

FACULTY OF AGRICULTURAL SCIENCES

BSc. Hons in ANIMAL SCIENCE

BSc. Hons in HORTICULTURE

BSc. Hons in AGRIBUSINESS MANAGEMENT

MAIN PAPER

MSc: AS 111 Anatomy and Physiology of Farm Animals

INTAKE: FIRST YEAR FIRST SEMESTER

DATE: TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

Answer any four questions.

1. a) Explore the different types of body tissues , their function and location in the body. [15 marks]
b) Outline the various disciplines of ‘anatomy’ and of ‘physiology’. [10 marks]
2. i) Describe the anatomy and physiology of the goat’s digestive system. [15 marks]
ii) Describe the parts of the urinary system. [10 marks]
3. a) Explore the structural and functional classification of joints. [20 marks]
b) state the functions of
i) The heart
ii) The Spinal code [10 marks]
4. i) Classify bones according to their appearance. [15 marks]
ii) Describe the structure of the ‘backbone’ by its regions. [10 marks]
5. a) State the pig’s endocrine glands , giving their relative positions in the body. [15 marks]
b) Explore the chemical classification of hormones.[10 marks]
6. a) List the six most important anatomical systems involved in homeostasis.[5 marks]
b) Differentiate between extracellular , intercellular, intracellular and intercellular and transcellular fluid.[10 marks]
c) Outline how the internal processes of any six anatomical systems help maintain homeostasis. [10 marks]