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(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020 ACADEMIC YEAR

SECOND YEAR 1ST SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE AND
BIOTECHNOLOGY & BACHELOR OF SCIENCE AGRICULTURE
ECONOMICS AND RESOURCE MANAGEMENT**

COURSE CODE: SAB 220
COURSE TITLE: ANIMAL PHYSIOLOGY

DATE: 17/02/2021. **TIME:** 8-10 AM.

INSTRUCTIONS TO CANDIDATES

Answer all Questions in section A and any other two (2) Questions in section B.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

SECTION A = 30 MARKS - Compulsory

QUESTION ONE

- (a). State the meaning of the following terms as used in animal physiology (6mks)
- i. Homeostasis
 - ii. Peristalsis
 - iii. Heart murmurs
- (b). what are the functions of the following blood cells (6mks)
- i. Red blood cells
 - ii. white blood cells
 - iii. Platelets
- (c) Differentiate between blood plasma and serum (3mks)
- d) Discuss the mammary gland development processes (15 Mks)

SECTION B = 40 MARKS – Attempt any two Questions in this section

QUESTION TWO

Discuss the hormonal changes in the cow and ewe during parturition (20mks)

QUESTION THREE

Describe how the skin of the domestic animal plays its role in temperature regulation (20mks)

QUESTION FOUR

Describe how the animals maintain blood volume after moderate blood loss (20mks)