

THE UNIVERSITY OF ZAMBIA
SCHOOL OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCE

TEST ONE (1) – 40 MARKS

DURATION: 1½ hrs

INSTRUCTIONS: **ANSWER QUESTION ONE AND ANY OTHER THREE (3) OF THE FOLLOWING QUESTIONS**
WRITE THE NUMBER OF EACH QUESTION ATTEMPTED
BEGIN EACH QUESTION ON SEPARATE PAGE
SAVE YOUR WORK IN PDF FORMAT
ENSURE YOU INCLUDE YOUR NAME TO FORM PART OF YOUR FILE NAME
SUBMIT BY EITHER UPLOADING ON MOODLE or SEND to phacosia@gmail.com

- 1) Briefly describe the following terms as used in anatomy and physiology of farm animals; **[10]**
- a. Alveolus
 - b. Swim bladder
 - c. FSH v.
 - d. ICF
 - e. Keratinocytes
- 2) With regard to farm animals only;
- a. Use a diagram to describe the strata of the integument in fur-covered mammals. **[5]**
 - b. State two endocrine glands and a hormone secreted by each of them **[2]**
 - c. What is portal circulation? **[1]**
 - d. What is the role of shunts? **[2]**
- 3) With respect to livestock
- a. State the constituent parts or components of body fluids **[5]**
 - b. With the aid of a diagram describe the general anatomical features of lungs in livestock **[5]**
- 4) With respect to livestock,
- a. What are the sources and loss avenues of all body fluid **[6]**
 - b. State two reasons why pH control is essential **[4]**
- 5) With regard to blood found in livestock
- a. State what PCV is and its use in animal health management **[2]**
 - b. Use a well labelled diagram to show the classification of formed elements of blood **[8]**

Bonne chance!

Good luck!