

CHUKA



UNIVERSITY

COLLEGE

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF
DIPLOMA IN ANIMAL HEALTH AND PRODUCTION**

ANHE 0102: HISTOLOGY AND HAEMATOLOGY

STREAM: DIP. (ANHPD) Y1S2

TIME: 2 HOURS

DAY/DATE: THURSDAY 9/12/2010

8.30 A.M.-10.30 A.M.

INSTRUCTIONS:

- Answer all questions.
- Be brief and precise.
- Start every question on a new page of your answer book.

Q.1 (a) Briefly define the following terms:

- Epithelium
- Osteocytes
- Cell organelles
- Anisocytosis
- Granulocytes

(b) List the steps of processing a tissue for histological examination or study.

Q.2 (a) What is a connective tissue? Give the general characteristics and functions of connective tissue.

(b) List any five types of connective tissues in the body and state where each can be found.

Q.3 Explain the classification of epithelium and support your description with sketch diagrams. State location and function of each type of epithelium.

Q.4 Give the structural layers of the following organs:

- (i) Oesophagus
- (ii) Stomach (abomasums)
- (iii) Reticulum
- (iv) Duodenum
- (v) Heart

Q.5 Differentiate between:

Liver functional unit
and
Kidney functional unit.

Q.6 List the cellular components of blood and give the function of each of the components.
