



# KENYATTA UNIVERSITY

## UNIVERSITY EXAMINATIONS 2010/2011

### FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN ANIMAL HEALTH

#### SZH 101: COMPARATIVE ANATOMY

**DATE:** Tuesday 23<sup>rd</sup> November, 2010

**TIME:** 8.00 a.m. – 10.00 a.m.

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#### **INSTRUCTIONS**

*Answer ALL the Questions in Section A and any ONE question in Section B.*

*Within a section all questions carry equal marks.*

*Illustrate your answers with diagrams and give examples where appropriate.*

#### **SECTION A - (40 marks)**

*Answer ALL questions.*

1. Explain five common terms used in descriptive anatomy in relation to an animal's body part.
2. Outline the components of the lymphatic system of a cow.
3. Outline the components of the urinary system of a cow.
4. Describe the blood supply to the visceral organs of a ruminant animal.
5. List five cranial nerves and the areas innervated by each nerve.
6. Describe the joints of the hind limb of an ox.
7. Describe the pituitary gland and state the hormone(s) secreted by this gland.
8. Highlight the differences between the respiratory system of a cow and a chicken.

#### **SECTION B – (30 marks)**

*Answer any ONE question.*

9. Describe in details the skeletal system highlighting the differences between bovine and avian skeletons.
10. Describe the general organization of the nervous system of a mammal.
11. Describe the skin and its associated structures and point out the variations between cattle and pigs.

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