



UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF CERTIFICATE IN
ANIMAL HEALTH AND PRODUCTION**

ANHE 00101: ANATOMY OF DOMESTIC ANIMALS

STREAM: ANHE (2010 CLASS)

TIME: 2 HOURS

DAY/DATE: TUESDAY 6/4/2010

2.30P.M. – 4.30P.M.

INSTRUCTIONS:

- ❖ Answer all questions
- ❖ Start every question on a new page of the Answer Booklet
- ❖ Attach **Q3 diagram** to your Answer Booklet.

Q.1 (a) What do you understand by the following terms used in embryology?

- (i) Ovulation
- (ii) Fertilization
- (iii) Twinning
- (iv) Free martinism
- (v) Chryptochidism
- (vi) Placenta
- (vii) Germ Cells
- (viii) Gonards
- (ix) Mesoderm layer

(x) Implantation [10 marks]

(b) Explain the significance of fertilization. [5 marks]

Q.2 (a) In your answer book, correctly write the numbers and the names of parts marked: 1, 2, 3, 4, 5, 6, 7, 10, 15, 18, 22, 24, 25, 28, 29, 30, 31, 34, and 38.

(b) What are the lymph nodes marked Q,P,R, and L?

(c) Which are the joints marked

8, 11, 12, 33, 32, and 35?

(d) Name muscle at the part marked K. [15 marks]

Q.3 (a) From the diagram of bovine skeleton (attached), write the names of bones marked:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, and 15.

(b) Mark and name the bones that form the boundaries of Thoracic inlet on the diagram.

(c) Label on the diagram the names of the parts marked:

A, B, C, D, F, 20, and 28.

Q.4 (a) List the functions of digestive system. [3 marks]

(b) Name the components of ruminants digestive system. [4 marks]

(c) Give the dental formulae of the following domestic animals.

(i) Adult bovine

(ii) Adult caprine [2 marks]

Q.5 Draw and label a diagram of ruminants' female reproductive organs. [6 marks]
