CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH

PUHE 212: COMPARATIVE ANATOMY OF FOOD ANIMALS

STREAMS: TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/07/2021 8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

• Answer ALL questions in Section A and any TWO in section B

SECTION A: 30 MARKS

1. a) Define vestigial structures.

(2 marks)

- b) Using directional terms, describe the relation of the liver to 4 visceral organs in the pig. (8 marks)
- 2. Distinguish the following
 - (a) Homologous and analogous structures

(2 marks)

(b) Ox and goat kidneys.

(2 marks)

(c) Superficial and deep lymph-nodes giving examples.

(2 marks)

(d) Two types of penis found in domestic animals giving examples.

(4 marks)

3. a) List seven types of bones giving examples of each.

(7 marks)

b) Compare the number and position of mammary glands of sheep and sow. (3 marks)

SECTION B	(40 MARKS)	ì
------------------	------------	---

4.	A) Name the joint and identity the structure indicated in the cranio-caudal Figure 1.	(9 marks)
	Tiguic 1.	(9 marks)
Figure		
	b) Draw the bovine forelimb and name the bones and joints therein.	(11 marks)
-		1 1 1 1
5.	a) Discuss the anatomical differences in the integumentary system of goats	s and chicken. (8
	marks) b) Describe the negition and location of the begins beart in relation to the second s	
	b) Describe the position and location of the bovine heart in relation to the structures.	(10 marks)
	c) Name at least 4 muscles of mastication.	(2 marks)
	c) Ivalle at least 7 muscles of mastication.	(2 marks)
6.	Draw the digestive system of poultry and cattle and compare their function	nal anatomy
0.	= 1 a. geom. e ojetem ez petitaj una entre una ecimpate dien fanedol	(20
	marks)	(
	······································	