



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DIPLOMA IN
COMMUNITY HEALTH AND DEVELOPMENT**

1STYEAR 2ND SEMESTER 2015/2016 ACADEMIC YEAR

KISUMU LEARNING CENTER

COURSE CODE: HCD 2111

COURSE TITLE: AN INTRODUCTION TO HUMAN ANATOMY AND PHYSIOLOGY

EXAM VENUE: STREAM

DATE:

EXAM SESSION:

TIME:

Instructions:

- 1. Answer all questions in section A and any other 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

SECTION A 30MARKS

Answer all questions

1. a) Define homeostasis **(2marks)**
b) Give four processes that are under negative feedback mechanisms **(4marks)**
2. describe the classification of bones and each give examples of each type **(4marks)**
3. Draw and label the diagram of digestive system **(4marks)**
4. Name TWO of the hormones of the posterior pituitary gland **(2marks)**
5. Which tissue is protective and insulatory **(1marks)**
6. Which part of the brain is responsible for balance **(2marks)**
7. Describe the components and functions of bile **(3marks)**
8. Describe the composition of semen **(2marks)**
9. Name three hormones secreted by adrenal cortex **(3marks)**
10. How is respiratory controlled in the body **(3marks)**

SECTION B 30MKS

Answer any TWO questions from this section

- 1 a)** Using information learned during the human anatomy class. Please compare the skeleton of the hand and that of the foot, using column A for the hand and column B for the foot. **(8marks)**

b) discuss the principal systems of the human body **(7marks)**
- 2.** Discuss the anatomy and functions of the liver **(15 marks)**
- 3 a)** By naming the hormones which control sperm formation, discuss the stages of spermatogenesis. **(10marks)**

b) Discuss the blood grouping system **(5marks)**
- 4. a)** Discuss the processes involved in the urine formation by the kidney **(10marks)**

b) Explain the types of joints **(5marks)**