



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE &
TECHNOLOGY UNIVERSITY EXAMINATIONS 2012/2013**

**1ST YEAR 2ND SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE, COMMUNITY & PUBLIC HEALTH
DEVELOPMENT**

(KISUMU LC)

COURSE CODE: HCD 3121

COURSE TITLE: MEDICAL PHYSIOLOGY

DATE: 14/8/13

TIME: 9.00 -11 .00AM

DURATION: 2 HOURS

INSTRUCTIONS

- 1. This paper contains five (5) questions.**
- 2. Answer question 1 (compulsory) and ANY other TWO questions.**
- 3. Write all answer in the booklet provided.**

Section A: Answer ALL Questions (Total 30 marks)

1. Name three main structures that form urinary system (3 mks)
2. Name the functions of renal tubule and renal capsule (3mks)
3. Define immune system and name two types of immune system (3 mks)
4. List the three goals of inflammation (3 mks)
5. Name the 3 types of T-cells (3 mks)
6. List 6 functions of the Skin (integumentary system) (3 mks)
7. Draw a well labeled diagram of a male reproductive system (3 mks)
8. What are the functions of blood (3 mks)
9. List the characteristics of RBCs (3 mks)
10. What are the functions of spleen (3 mks)

Section B: Answer any TWO Questions (20 marks each)

1. Describe briefly how urine is formed (20 mks)
2. A. describe the 8 types of none specific defense protection (20 mks)
3. Describe the process of spermatogenesis (20 mks)
4. Describe the components of blood, giving the function of each (20 mks)