



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR CERTIFICATE IN COMMUNITY HEALTH AND**  
**DEVELOPMENT**  
**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2013/2014 ACADEMIC YEAR**  
**CENTRE: KISUMU**

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**COURSE CODE: HDC 1111**

**COURSE TITLE: INTRODUCTION TO HUMAN PHYSIOLOGY**

**EXAM VENUE: LAB I**

**STREAM: Certificate in Comm. Health & Development**

**DATE: 2/12/2013**

**EXAM SESSION: 2.00 – 3.30 PM**

**TIME: 1 ½ HOURS**

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**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**

1. Name three types of blood vessels. (3 marks)
2. The urinary system consist of a paired organ. Name the organ. (3 marks)
3. Name the basic functions of the heart and the blood vessels. (3 marks)
4. Name the part of the gastrointestinal system where the digestion starts. (3 marks)
5. Name any one function of the stomach. (3 marks)
6. What is the name given to the inflammation of a joint? (3 marks)
7. Name the three parts of the brain. (3 marks)
8. Reduction in the amount of circulating haemoglobin to below normal is known as? (3 marks)
9. What is the name given to the chemicals secreted by the endocrine glands? (3 marks)
10. Which organ consitutes a barrier for the body frm biological and physical environment?  
. . . (3 marks)

## **SECTION B**

- Q1. Draw the kidney and name the cortex medulla, pelvis and ureter. (20 marks)
- Q2. Draw a simple diagram of the respiratory system and name the pharynx, larynx, trachea and the lungs. (20 marks)
- Q3. Draw a simple diagram of the digestive system and name the mouth, oesophogus, stomach  
. and small intestines. (20 marks)
- Q4. Draw a simple illustration of the components of the skin and name-epidermis, dermis,  
. subcutaneous layer and hair. (20 marks)