



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT
1ST YEAR 2ND SEMESTER 2016/2017 ACADEMIC YEAR
KISII CAMPUS**

COURSE CODE: HDC 2125

**COURSE TITLE: INTRODUCTION TO HUMAN ANATOMY AND
PHYSIOLOGY**

EXAM VENUE:

STREAM: (DIP. CHD)

DATE: 16/12/16

EXAM SESSION: 9.00 – 10.30 AM

TIME: 1 ½ HOURS

Instructions:

- 1. Answer all the 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 (30 MARKS)

1. Briefly describe the levels of structural organization within the human body (5 marks)
2. Give an account of the classes of joints in human body. (3 marks)
3. **a.** Describe briefly the three types of blood cells. (3 marks)
b. Describe the three types of blood vessels. (3 marks)
4. Briefly discuss the functions of lymph in the human body. (3 marks)
5. Briefly describe the bones of the thoracic cage of human (4 marks)
6. Discuss briefly the skeletal muscles of human body, citing two examples and location where each are found (5 marks)
7. Discuss briefly the two anatomical divisions of the nervous system. (4 marks)

SECTION B (30 MARKS)

1. **a.** Discuss the cycle of breathing in the human body. (10 marks)
b. List the physiologic variables affecting breathing (5 marks)
2. **a).** Discuss the general organization of the nervous system of man. (15 marks)
b). Discuss briefly the functions of the nervous system (5 marks)
3. Discuss the structure and bones of the axial skeleton of human body. (15 marks)
4. Discuss the nephron as the functional unit of the human kidney (15 marks)