JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
NAMBALE CAMPUS
BSC COMMUNITY AND DEVELOPMENT
BSC PUBLIC HEALTH

HCD 3111
TITLE: INTRODUCTION TO HUMAN ANATOMY
END OF SEMESTER EXAMINATION
TIME; 2hrs

SECTION A
This section consists of 6 questions. Each question carries 10 marks. Anwer all questions in this section.

1. i) Name any five specialized cells in the human body. (2.5mks)

   ii) Describe how these cells are specialized to perform their functions.(2.5mks)

2. Define the following anatomical terms.
   i)Dorsiflexion(1mk)
   ii)Proximal(1mk)
   iii)Superior.(1mk)
   iv)Retroversion. (1mk)
   v)Ipsilateral. (1mk)
3. State any five functions of the skeletal system. (5mks)
4. Using 5 examples in medical imaging describe the application of human anatomy in diagnostics.(5mks)
5. State any five differences between arteries and veins.(5mks)
6. The human body interacts with its environment through various sensory receptors
   a) List the five types of sensory receptors.(2.5mks)
   b) State the stimulus each type of receptor detects.(2.5mks)

SECTION B

This section consists of four questions. Each question carries 20 marks. Answer ANY TWO questions in this section.

7. Using a diagram, describe the nine human abdominal divisions, naming at least two contents in each region.(20mks)
8. Describe the structure of the human skin. (20mks)
9. Structurally and functionally related cells constitute tissues
    a) Name the five main tissues of the human body.(5mks)
    b) Discuss the components of blood as a tissue in the body.(15mks)
10. Discuss with examples, the types of joints in the human body (20mks)