



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
PUBLIC & COMMUNITY HEALTH
1ST YEAR 1ST SEMESTER 2016/2017
UGUNJA LEARNING CENTRE**

COURSE CODE: HCD 3111

COURSE TITLE: INTRODUCTION TO HUMAN ANATOMY

EXAM VENUE: STREAM: BSc. CH/PH

DATE: 17/08/16 EXAM SESSION: 9.00 – 11.00 AM

TIME: 2.00 HOURS

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 (30 MKS)

ANSWER ALL THE QUESTIONS

1. State three facial and two cranial bones (5 mks)
2. Describe the anatomy of the synovial joint (5mks)
3. Draw a well labeled structure of a nerve cell (5mks)
4. State three structural differences between arteries and veins (3 mks)
5. State 4 components of the lymphatic system (4mks)
6. State three components of the urinary system (3 mks)
7. State three X-ray methods used in medical imaging (3 mks)
8. Differentiate between gross anatomy and microscopic anatomy (2mks)

SECTION B (40 MKS)

ANSWER ANY TWO (2) QUESTIONS FROM THIS SECTION.

1. a) Describe the three regions of the integumentary system (10mks)
b) State and explain five functions of the integumentary system (10mks)
2. a) Discuss types of epithelial tissues (15mks)
b) Describe the structure of the skeletal muscle (5 mks)
3. a) Describe 4 types of body membranes (10mks)
b) Using a well labeled diagram, describe the structure of the long bones (10 mks)
4. a) Describe the anatomy of the heart (12mks)
b) Draw a well labeled structure of an animal cell (8 mks)