



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT

1ST YEAR 1ST SEMESTER 2024/2025 ACADEMIC YEAR

MAIN/KISUMU CAMPUS

COURSE CODE:

HCB 1105

**COURSE TITLE:
AND PHYSIOLOGY**

INTRODUCTION TO HUMAN ANATOMY

EXAM VENUE:

STREAM: BSc Public/ Comm. Hlth & Dev

DATE:13/1/25

EXAM SESSION: 9-11.00 AM

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and 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 30MKS

Answer all questions

1. Define the following terms (1 mark each)
 - a) Human Anatomy
 - b) Human Physiology
 - c) Homeostasis
2. Describe briefly the structural complexity of the human body (4 marks)
3. List the key symptoms of hyperthyroidism (3 marks)
4. List the functions of catecholamines (2 marks)
5. Describe briefly how the heart is adapted to its functions (3 marks)
6. Describe briefly how the human brain is protected (4 marks)
7. List the Neuroglia cells in Central Nervous System (4 marks)
8. Describe three phases of gastric emptying (3 marks)
9. List the major methods of measuring the cardiac output (4 marks)

SECTION B 40MARKS

Answer any TWO questions from this section

1. Discuss in detail the anatomy and physiology of the liver (20 marks)
2. Discuss the stages of blood clotting (20 marks)
3. Discuss in detail the anatomy and physiology of the male reproductive organ (20 marks)
4. Discuss 5 disorders of the adenohipophyses (20 marks)