



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES  
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE  
IN PUBLIC HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT**

**1<sup>ST</sup>YEAR 1<sup>ST</sup> SEMESTER 2022/2023 ACADEMIC YEAR**

**MAIN**

---

**COURSE CODE: HCB 1102**

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

**EXAM VENUE: STREAM: (BSc. Env. Hlth/ C.Hlth &Dvpt.)**

**DATE: EXAM SESSION:**

**TIME:**

---

**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 30MARK**

### **Answer all questions**

1. Briefly describe the abdominopelvic regions **(5 marks)**
2. Briefly describe the sign and symptoms of hyperthyroidism **(2 marks )**
3. List FOUR hormones of the thyroid gland **(2 marks )**
4. Explain the major causes of stroke **(4 marks )**
5. Describe briefly the functions of lymphatic system **(3 marks)**
6. List the neuralgia cells of the central nervous system **(4 marks)**
7. Differentiate between the cartilage, ligaments and tendons **(3 marks)**
8. Discuss briefly the factors affecting the gastric emptying **(3 marks)**
9. Describe briefly the homeostasis of glucose in the body **(4 marks)**

## **SECTION B 40MARKS**

### **Answer any TWO questions from this section**

1. Discuss the anatomy and physiology of the liver **(20 marks)**
- 2 Discuss the anatomy and physiology of the thyroid gland **(20 marks)**
3. Discuss the anatomy and physiology of the pituitary gland **(20 marks)**
4. Discuss in detail the anatomy and physiology of the male reproductive organ **(20 marks)**