



**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 2017/2018 ACADEMIC YEAR**

**KISUMU**

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**COURSE CODE: HCD 3111**

**COURSE TITLE: INTRODUCTION TO HUMAN ANATOMY**

**EXAM VENUE: STREAM**

**DATE: 23/4/19**

**EXAM SESSION: 9.00 – 11.00AM**

**TIME: 2 HOURS**

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**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 30MARKS

### Answer all questions

1. Describe how ciliated epithelial cells are adapted to their functions (3 marks)
2. Write short notes on the level of human body organization (3 marks)
3. Differentiate between the cartilage, ligaments and tendons (3 marks)
4. List the corticosteroid hormones (2 marks)
5. Describe the anatomy of the thyroid gland (5 marks)
6. A boy of 10 years was brought by his father to a medical specialist. The boy because of retarded growth appeared to be of 4-5 years. During talking the boy answered the question intelligently. His body parts were proportionate but of smaller size:
  - a) From which disorder the boy was suffering? (2 marks)
  - b) What was the cause of this disorder? (2 mark)
  - c) What are different types of this disorder? (2 marks)
7. Describe briefly the cells of the skeleton system (3 marks)
8. Describe the phases of mitosis (4 marks)
9. Describe briefly the surface anatomy of the abdomen (3 marks)

## SECTION B 40MARKS

Answer any TWO questions from this section

1. Describe the liver under the following headings: (20mks)
  - i. location
  - ii. Parts,
  - iii. relations,
  - iv. blood supply
  - v. lymphatic drainage
  - vi. sensory nerves
2. Discuss the abdominopelvic regions and their Organs (20 marks)
3. Discuss the anatomy of the ear (20 marks)
4. Discuss the anatomy of the female reproductive organ (20 marks)

