



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY.
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN COMMUNITY HEALTH AND DEVELOPMENT
1ST YEAR 1ST SEMESTER 2019/2020 ACADEMIC YEAR
KISII LEARNING CENTRE

COURSE CODE: HCD3111

COURSE TITLE: INTRODUCTION TO HUMAN ANATOMY AND PHYSIOLOGY

STREAM: (BSC. COMMUNITY HEALTH AND DEVELOPMENT)

DATE: APRIL 2019

EXAM SESSION: 9.00—11.00 AM

TIME: 2 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.**
- 4. Candidates are advised not to carry their mobiles to examination room.**

SECTION "A" (30. Marks)

1. State five (5) most important types of cell junctions. 5. Marks.
2. State the six (6) sub-divisions of anatomy. 6. Marks.
3. Explain the five (5) types of body cavities, and their contents. 5. Marks.
4. Explain the seven (7) types of epithelial tissues. 7. Marks.
5. Explain the three main functions of connective tissues. 3. Marks.
6. Describe the four 4 types of boy membranes. 4. Marks

SECTION B (40 Marks)

1. Describe in details the anatomy of the three (3) types of muscles using a clearly labelled diagram of each type as well as its location. 20. Marks.
2. Describe in details the anatomy of the human cell using a clearly labelled diagram of its organelles including its functions. 20. Marks.
3. i). Describe the functions of the meninges, using a clearly labelled diagram. 15. Marks.
ii). Explain the structures which protect the brain. 05. Marks.
4. i). Describe the structure of the skin. 14. Marks.
ii). Describe the functions of the skin. 06. Marks.