



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 2ND SEMESTER 2018/2019 ACADEMIC YEAR;

KISII LEARNING CENTRE

COURSE CODE: HCD 3121

COURSE TITLE: MEDICAL PHYSIOLOGY

EXAM VENUE: STREAMS: BSc. COMMUNITY & DEVELOPMENT

DATE: EXAM SESSION: TIME:

TIME: 2HOURS

INSTRUCTIONS TO CANDIDATES

1. Answer ALL questions in Section A and any other in Section B.
2. Candidates are advised not to write on the Question Paper.
3. No mobiles are allowed in the Examination room.
4. Candidates must Hand in their Answer Booklets to the invigilator while in the examination Room.

SECTION “A”

Answer ALL Questions, they are compulsory.

1. Define the term physiology. 1. Mark.
2. Outline the classification of the nervous system. 4. Marks.
3. Explain the effects of the sympathetic nervous system on the heart. 3. Marks.
4. List down the cranial nerves whose nuclei are located in the:
 - i. Mid brain.
 - ii. Pons.
 - iii. Medulla Oblongata. 3. Marks.
5. Name three control centres located in the Medulla Oblongata. 3. Marks.
6. State five functions of the nose. 5. Marks
7. Describe a reflex arc. 5. Marks.
8. Differentiate between sympathetic and parasympathetic nervous system. 6. Marks.

SECTION “B”

Answer ANY two (2) from this section

1. With the aid of a clearly labelled diagram of the brain, show with arrows the flow of cerebrospinal fluid and state its functions. 20. Marks.
2. Describe five structural and functional features that confer protection to the eye. 20. Marks.
3. Describe the function of each of the twelve cranial nerves. 20. Marks.
Describe ways in which the brain tissue is protected from injury. 20. Marks.