



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY.

KISII LEARNING CENTRE

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: LR 17 STREAMS: BSc. COMMUNITY & DEVELOPMENT

DATE: SEPTEMBER- DECEMBER'. 2018 EXAM SESSION:

TIME: 2 HOURS

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.

MEDICAL PHYSIOLOGY

SECTION "A"

Answer ALL Questions, they are compulsory.

1. State five (5) facets of internal environment which facilitate optimal cell, tissue and organ function. 5. Marks.
2. Explain the term homeostasis as used in the body's physiological mechanisms. 3. Marks.
3. Explain the three (3) feedback control systems of the body. 6. Marks.
4. State five (5) functions of body fluid (extracellular and intracellular fluid). 5. Marks.
5. State five functions of the nervous system. 5. Marks.
6. Explain the three (3) functional area of the Cerebrum. 6. Marks.

. SECTION "B"

Answer ANY two (2) from this section

1. Describe the Cerebrum with its three functional areas. 20. Marks.
2. Describe the physiology of vision. 20. Marks.
3. Describe the main cellular component of excitable tissues. 20. Marks.
4. Describe ways in which the brain tissue is protected from injury. 20. Marks.