



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (EXERCISE SCIENCE)

KSS 203/SSS 202: HUMAN PHYSIOLOGY II

DATE: Tuesday 5th April, 2011

TIME: 8.00 a.m. – 10.00 a.m.

INSTRUCTIONS

Answer any THREE questions, each question in a separate booklet.

1. Analyse exercise of short duration under the following:
 - i) Meaning [2 marks]
 - ii) Fuel substrates [3 marks]
 - iii) Energy supply systems [18½ marks]

2. Relate the following hormones to exercise:
 - i) Growth hormone [8 marks]
 - ii) Aldosterone hormone [7 marks]
 - iii) Antidiuretic hormone [8 marks]

3. Using examples, explain the effects of the three types of metabolic acids in the human body during rest and exercise. [23½ marks]

4. Expound on the variables that influence stroke volume during rest and exercise. [23½ marks]

5. Analyse the relationship between android pattern of fat deposition in the human body and the risk for cardiovascular disease and Type II diabetes. [23½ marks]

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