



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2008/2009

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE (ENVIRONMENTAL HEALTH)

HEH 102: HUMAN ANATOMY AND PHYSIOLOGY

DATE: MONDAY 30TH MARCH 2009

TIME: 2.00 P.M. – 4.00 P.M.

INSTRUCTIONS:

SECTION 1: (20 MARKS) – Answer ALL questions.

1. Discuss the structure and function of the following body organs.
 - i) Lungs (5 marks)
 - ii) Nephron (5 marks)
 - iii) Small and large intestines (5 marks)
 - iv) Vertebral column (5 marks)

SECTION II

This has two parts. Answer all questions in part I and any 2 in part II

PART I (20 MARKS)

2. Using illustrations, describe the fluid mosaic model of membrane structure. (20 marks)

PART II (30 MARKS)

3. Explain homeostasis in relation to the functions of the integumentary system. (15 marks)
4. Discuss the function, properties and components of blood. (15 marks)
5. Describe the following components of the lymphatic system: the lymph, lymphatic vessels and the lymph nodes. (15 marks)
