



AMREF INTERNATIONAL TRAINING CENTER

Qualification Code : 102105T4COH
Qualification : Community Health Level 6
Unit Code : HE/OS/CH/CC/04/6/A
Unit of Competency : Apply Human Anatomy and Physiology

WRITTEN ASSESSMENT

Time: 3 hours

INSTRUCTIONS TO CANDIDATES

*This paper consists of **TWO** sections: A and B.*

Answer questions as per instructions in each section.

Maximum marks for each question are indicated in brackets ().

You are provided with a separate answer booklet.

This paper consists of **THREE** (3) printed pages

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing

SECTION A: (40MARKS)

Answer ALL the questions in this section

1. Distinguish between the following terms anatomy and physiology. (4 marks)
2. The Integumentary System is the body's outer layer. It consists of the skin, hair, nails and glands. State **FIVE** functions of the Integumentary system. (5marks)
3. Nerves are like cables that carry electrical impulses between your brain the rest of your body. Name **THREE** types of nerves, indicating their functions. (3 marks)
4. The Lymphatic System is a network of delicate tubes throughout the body. Identify **FOUR** components of the lymphatic system. (4 marks)
5. Most absorption of food happens in the small intestines. Highlight **FOUR** adaptations of the small intestines to its functions. (4 marks)
6. Groups of cells performing a similar function are referred to tissues. Outline **FOUR** types of human tissues. (4 marks)
7. Chewing is part of mechanical digestion that takes place in the mouth. Highlight **FOUR** importance of chewing. (4 marks)
8. The Pituitary gland is the chief gland in the endocrine system. Identify **FOUR** hormones produced by its anterior part. (4 marks)
9. The nervous system contains the human brain, spinal cord and nerves. Outline **FOUR** functions of the nervous system. (4 marks)
10. Healthy diet and physical exercise promote healthy blood vessels reducing the risk of cardiovascular diseases. Name **FOUR** differences between arteries and veins. (4 marks)

SECTION B: (60 MARKS)

Answer any THREE questions in this section

11. A 26-year-old woman visits your community health clinic with questions about fertility and menstrual health. She is newly married and is eager to understand her body better as she plans for a family. She is curious about the process of fertilization and would like to understand her menstrual cycle more.
- The menstrual cycle is controlled by many different glands and hormones. Identify **FOUR** hormones and where they are produced. (4 marks)
 - Describe **FOUR** phases of the menstrual cycle. (10 Marks)
 - Explain the process of fertilization and explain what happens if pregnancy does not occur. (6 Marks)
12. The skin is a very vital organ in the body and has a high significance to our survival.
- With a well labelled diagram illustrate the structure of the skin. (10 marks)
 - Describe **FIVE** functions of the skin (10 marks)
13. The human male reproductive system is responsible for production of male gametes.
- Using a labelled diagram, illustrate the structure of the human male reproductive system. (8 marks)
 - Identify **TWO** diseases commonly seen in our communities affecting the male reproductive system. (2 marks)
 - Explain **FIVE** adaptations of the human female reproductive system to its function. (10 marks)
14. The human urinary system comprises of the kidney, ureters, bladder and the urethra.
- Using a labelled diagram, illustrate the structure of the nephron. (12 marks)
 - Describe **FOUR** functions of the urinary system. (8 marks)