



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**BACHELOR OF SCIENCE IN COMMUNITY HEALTH**  
**END OF SEMESTER EXAMINATION APRIL 2024**

**UNIT CODE:** CHP 122  
**UNIT NAME:** HUMAN ANATOMY AND PHYSIOLOGY  
**DATE:** 15<sup>th</sup> April 2024  
**TIME:** TWO Hours      **Start: 4.30 PM**      **Finish 6.30 PM**

**INSTRUCTIONS**

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections  
**Section A:** Compulsory Questions (30 marks)  
**Section B:** Long Answer Questions (40 marks)

**SECTION A: SHORT ANSWER QUESTIONS: COMPULSORY (30 Marks)**

1. Define the following kinds of anatomical studies
  - a. Microscopic anatomy (1 Mark)
  - b. Gross anatomy (1 Mark)
  - c. Functional anatomy (1 Mark)
2. Distinguish between hyperplasia and atrophy as used in human anatomy and physiology (4 Marks)
3. Outline FOUR major types of connective tissue (4 Marks)
4. State THREE functions of human skeleton (3 Marks)
5. Identify major parts of a "typical " synovial joint (3 Marks)
6. Highlight THREE Visceral organs that are made up of smooth muscle tissue (3 Marks)
7. Explain the mechanisms of inhalation in human body (5 Marks)
8. Highlight FIVE functions of Lymphatic systems in human body (5 Marks)

**SECTION B ( ANSWER ANY TWO (2) QUESTIONS (40 Marks)**

9.
  - a. Discuss the anatomy and physiology of male reproductive organ (8 Marks)
  - b. Discuss blood clotting process in human body (6 Marks)
  - c. Explain the functions of at least five components of animal cell (6 Marks)
10.
  - a. Discuss how human skin is adapted to it's function (8 Marks)
  - b. Describe the classification of Synovial joints according to the number of axes (6 Marks)
  - c. Describe briefly the mechanism of exhalation of respiratory system in human body (6 Marks)
11.
  - a. Highlight THREE types of blood vessels and state the basic functions of each type (7 Marks)
  - b. Describe THREE major subdivisions of the human brain (8 Marks)

- c. Explain the anatomy and physiology of endocrine system, naming six better known endocrine glands  
(5 Marks)

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