

102106T4COH

COMMUNITY HEALTH LEVEL 6

HE/OS/CH/CC/04/6/A

Apply Human anatomy and physiology

July /Aug 2023



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. This paper has two sections **A** and **B**
2. You are provided with a separate answer booklet.
3. Marks for each question are as indicated.
4. Do not write on the question paper

This paper consists of 3 printed pages

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

SECTION A: (40 MARKS)

Answer all the questions in this section.

1. The musculoskeletal system consists of the bones of the skeleton, their joints and the skeletal muscles that move the body. State FOUR functions of human skeletal system. **(4 Marks)**
2. Highlight TWO types of circulations in the human body. **(2 Marks)**
3. Identify any THREE types of body cavities. **(3 Marks)**
4. The human body is divided into various body planes, identify FOUR **(4 Marks)**
5. The kidneys lie on the posterior abdominal wall, one on each side of the vertebral column, behind the peritoneum and below the diaphragm, identify FOUR functions of the kidney **(4 Marks)**
6. Lymph is a clear watery fluid, similar in composition to plasma, with the important exception of plasma proteins, and identical in composition to interstitial fluid. State THREE mechanisms that aid the flow of lymph. **(3 Marks)**
7. Highlight FOUR importance of chewing food in humans. **(4 Marks)**
8. Give any TWO muscles that form the anterior compartment of the thigh (quadriceps). **(2 Marks)**
9. The anterior pituitary is an up-growth of glandular epithelium from the pharynx. State FIVE hormones secreted from the anterior pituitary glands. **(5 Marks)**
10. There are measures that one can take against disease-causing pathogens. Highlight THREE principles of controlling and eradicating communicable diseases. **(3 Marks)**
11. Outline any TWO differences between skeletal muscle and smooth muscles. **(4 Marks)**
12. State any FOUR components of blood in the human circulatory system. **(2 Marks)**

SECTION B: (60 MARKS)

Answer any three questions in this section.

13. Skin is a very vital organ in the body and it is of high significance to our survival.
- a) Draw a well labelled diagram of the skin. **(8 Marks)**
 - b) Explain any SIX functions of the skin. **(12 Marks)**
14. As an Assistant Community Health Officer in Moshi community. You are given a chance to conduct health promotion on food digestion and its relation to anatomy and physiology.
- a) Describe the TWO divisions of the digestive system. **(6 Marks)**
 - b) Explain any THREE roles played by the digestive system. **(6 Marks)**
 - c) Identify any FOUR disorders related to the digestive system. **(8 Marks)**
15. The human body is composed of trillions of cells. They provide structure for the body, take in nutrients from food, convert those nutrients into energy, and carry out specialized functions
- a) Draw a diagram of a human cell indicating any EIGHT organelles within the cell. **(12 Marks)**
 - b) Explain any FOUR main types of cells in the body and their function. **(8 Marks)**
16. The human skeleton is the internal framework of the body. This framework consists of many individual bones and cartilages. Bones of human skeleton decreases eventually during adulthood.
- a) Describe any FOUR types of bones. **(8 Marks)**
 - b) Explain any SIX functions of human bones. **(12 Marks)**

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