

102104T4COH

COMMUNITY HEALTH LEVEL 4

HE/OS/CH/CC/03/4/A

Apply Human Anatomy and Physiology

Nov/Dec 2023



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

WRITTEN ASSESSMENT

Time: 2 Hours

INSTRUCTION TO CANDIDATE

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 four (4) printed pages

Candidates should check the question paper to ascertain that all the pages are printed as indicated.

SECTION A: (10 MARKS)

Answer ALL questions in this section.

Each question carries one mark.

1. The basic functional unit of the kidney is_____
 - A. Pyramid
 - B. Loop of Henle
 - C. Nephron
 - D. Calyx
2. Which one of the following describes the process of taking food into the digestive system?
 - A. Ingestion
 - B. Digestion
 - C. Propulsion
 - D. Elimination
3. Select from the following, the function of the white blood cells.
 - A. Helps in blood clotting
 - B. Carries oxygen throughout the body
 - C. Nourishes the body
 - D. Fights against micro-organisms
4. Which of the following is an accessory organ of the gastrointestinal system that is responsible for secreting insulin?
 - A. Pancreas
 - B. Adrenal gland
 - C. Gallbladder
 - D. Liver
5. The body's ability to maintain a stable internal environment is referred to as _____
 - A. Anabolism
 - B. Catabolism
 - C. Homeostasis
 - D. Metabolism

6. Which of the following is the beginning of the first menstrual cycle during puberty?
 - A. Menopause
 - B. Oligarche
 - C. Menarche
 - D. Andropause
7. Oxygenated blood is carried to the heart by which of the following vessels?
 - A. Pulmonary vein
 - B. Aorta
 - C. Carotid artery
 - D. Pulmonary artery
8. A joint with a fluid-filled cavity is known as _____
 - A. A fixed joint
 - B. An articulation
 - C. A synovial joint
 - D. A foramen
9. Choose from the following, an organ that produces bile.
 - A. Gallbladder
 - B. Pancreas
 - C. Spleen
 - D. Liver
10. Saliva contains salivary amylase that acts upon which of the following nutrients?
 - A. Proteins
 - B. Starch
 - C. Fats
 - D. Minerals

SECTION B: (40 MARKS)

Answer ALL questions in this section.

11. Blood is a connective tissue. State FOUR functions of blood in the body. **(4 Marks)**
12. The skin is the largest system of the body. Outline THREE functions of the integumentary system. **(3 Marks)**
13. Stomach is continuous with the esophagus at the cardiac sphincter and with the duodenum at the pyloric sphincter. Highlight FOUR functions of the stomach. **(4 Marks)**
14. The reproductive system is responsible for the formation of the male and female gametes. Identify FOUR diseases of the reproductive system. **(4 Marks)**
15. Outline FOUR differences between arteries and veins. **(4 Marks)**
16. The kidney is part of the urinary system. Identify FOUR functions of the kidney in the body. **(4 Marks)**
17. The human skeletal system is responsible for locomotion and storage of minerals. Name THREE bones of the skeletal. **(3 Marks)**
18. The lobes of the lungs are surrounded by pleural fluid. Highlight FOUR roles of the pleura fluid. **(4 Marks)**
19. Special senses are senses that have special organs devoted to them. State the FOUR special senses. **(4 Marks)**
20. The respiratory system supplies the body with oxygen and disposes of carbon dioxide. State FOUR diseases of the respiratory system. **(4 Marks)**
21. Endocrine system consists of hormones, which are chemical messengers. List TWO of these hormones. **(2 Marks)**

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