

091906T4HRI

HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6

HE/OS/HR /CC/03/6/A

Apply Human Anatomy and Physiology

March/April 2025



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

WRITTEN ASSESSMENT

3 HOURS

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INSTRUCTIONS TO CANDIDATES

- i. Maximum marks for each question are indicated in brackets ().*
- ii. This paper consists of **TWO** sections: A, and B.*
- iii. Answer **ALL** the questions in section A and **Any THREE** Questions in **Section B***
- iv. You are provided with a separate answer booklet.*

This paper consists of FOUR (4) printed pages
Candidates should check the question paper to ascertain that all pages are
printed as indicated and that no questions are missing

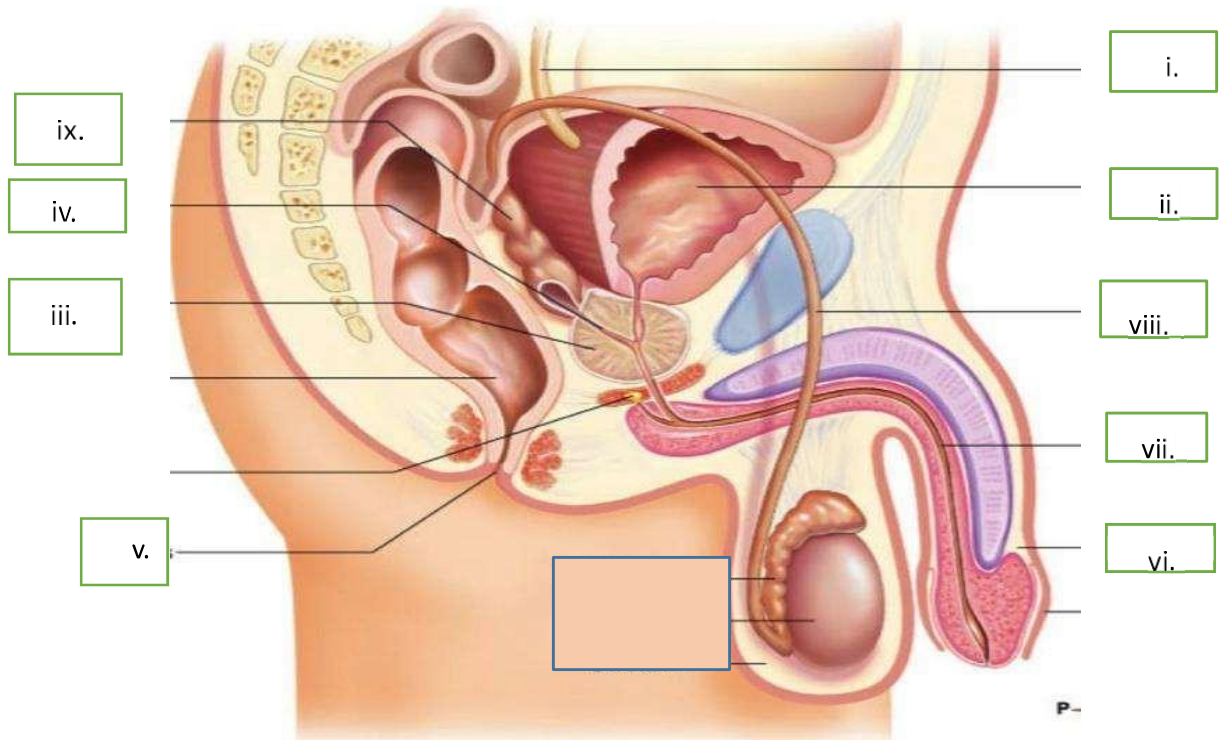
SECTION A: (40 MARKS)

Answer ALL the questions in this section

1. A human body has various anatomical positions that it operates on. Highlight FOUR planes of the body (4 Marks)
2. Understanding the human Anatomy is key in any health-related course. State THREE importance of studying Human Anatomy and Physiology in health records. (3 Marks)
3. Distinguish between osteology and myology (4 Marks)
4. Define homeostatic imbalance (2 Marks)
5. There are two main types of digestion, mechanical and chemical digestion. Give the difference between chemical digestion and mechanical digestion. (4 Marks)
6. Microscopes are used majorly in anatomy laboratories both locally and globally. Define Light microscope and list its FOUR characteristics (5 Marks)
7. Outline TWO functions of a cytoplasm (2 Marks)
8. Medulla Oblongata is the most inferior part of the brain stem. Highlight THREE functions of medulla Oblongata (3 Marks)
9. The spleen is the largest lymphatic organ. It sits just below the diaphragm slightly behind the stomach and above the kidney. Give the primary purpose that the spleen serves in the body. (1 Marks)
10. Body muscles in a human body are around 600 in number. Identify THREE main types of muscles found in humans (3 Marks)
11. Explain the TWO major divisions of anatomy (4 Marks)
12. The endocrine system refers to the hormone system of the body which contains some organs. Highlight FIVE endocrine organs in a human's body (5 Marks)

SECTION B: (60 MARKS) Any THREE Questions in this Section

13. The skin is by far the largest organ in the body.
 - a) Explain SEVEN importance of skin to the human (14 Marks)
 - b) Discuss THREE layers of the skin (6 Marks)
14. The following diagram consists of a male reproductive system.
 - a) Name the parts labeled in roman numbers (9 Marks)



b) Justify the reason why the testes hangs outside the body (3 Marks)

c) Compare and contrast the male reproductive system and female reproductive system (8 Marks)

15. After injury, bones may delay to completely heal due to many reasons.

a) Describe FIVE factors that delay bone healing (10 Marks)

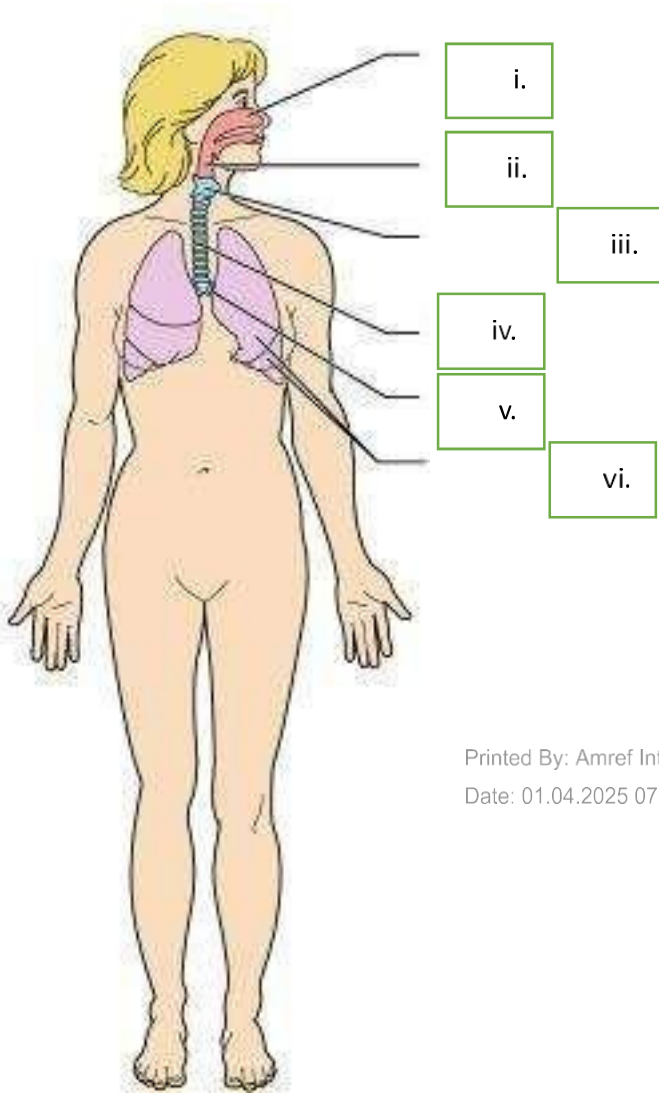
b) Discuss FIVE types of bones (10 Marks)

16. The respiratory system is essential in ensuring that blood keeps oxygen into the system and removes toxins like Carbon IV Oxide

a) Explain what takes place when a person is breathing in (2 Marks)

b) Name the following parts of the respiratory system

(6 Marks)



c) Explain the functions of the parts numbered in the diagram above (12 Marks)

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