

091906T4HRI

HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6

HE/OS/HR/CC/01/6/A

APPLY HUMAN ANATOMY AND PHYSIOLOGY

NOV /DEC 2023



WRITTEN ASSESSMENT

Time: 3 hours

INSTRUCTIONS TO CANDIDATES

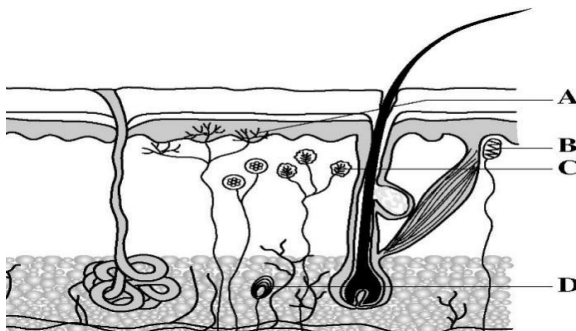
1. This paper has two sections A and B.
2. You are provided with a separate answer booklet.
3. Marks for each question are as indicated.
4. Do not write on the question paper.

This paper consists of 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 questions in this section

1. Define the following terms as used in human anatomy and physiology:
 - a) Tachycardia (2 Marks)
 - b) Tidal Volume (2 Marks)
2. In his description of disease, the doctor describes a disease that result in abnormal metabolism of carbohydrates and elevated levels of glucose in the blood because body's ability to produce or respond to the hormone insulin is impaired.
 - a) What disease was the doctor referring to? (1 Mark)
 - b) Identify TWO main types of the disease mentioned in (a) above (2 Marks)
 - c) Name any TWO risk factors for the above-mentioned disease (2 Marks)
3. State FOUR adaptations of the red blood cell to its function (4 Marks)
4. A teacher defined a subject as 'The study of internal and external structures of the body and the physical relationships among body parts'
 - a) What subject was the teacher referring to? (1 Mark)
 - b) Recall THREE types of body systems (3 Marks)
5. The figure below shows a cross section of the human skin.



- a) Name the parts labeled A and D (2 Marks)
 - b) State TWO adaptations of the skin to its functions (2 Marks)
6. Blood plasma forms about 50% of human blood. Name FOUR components of plasma (4 Marks)