



**NATIONAL OPEN UNIVERSITY OF NIGERIA
SCHOOL OF SCIENCE AND TECHNOLOGY
2013 EXAM**

Programme: PGD HIV/AIDS Education and Management

Course Code: HEM 704

Course Credit Unit: 2

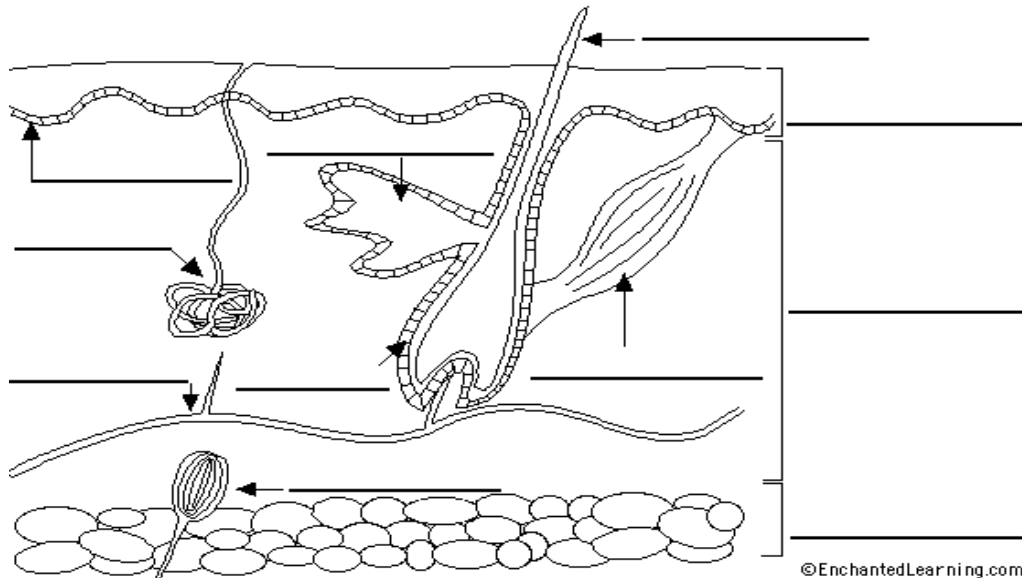
Course Title – Basic Anatomy and Physiology of Human Body Time Allowed: 2 hours

Total Score: 100 marks

Instruction: Answer any 4 questions

Question 1:

- a. Label the following diagram of the human skin (**10 marks**)
- b. Briefly explain 5 functions of the human skin (**15 marks**)



Question 2:

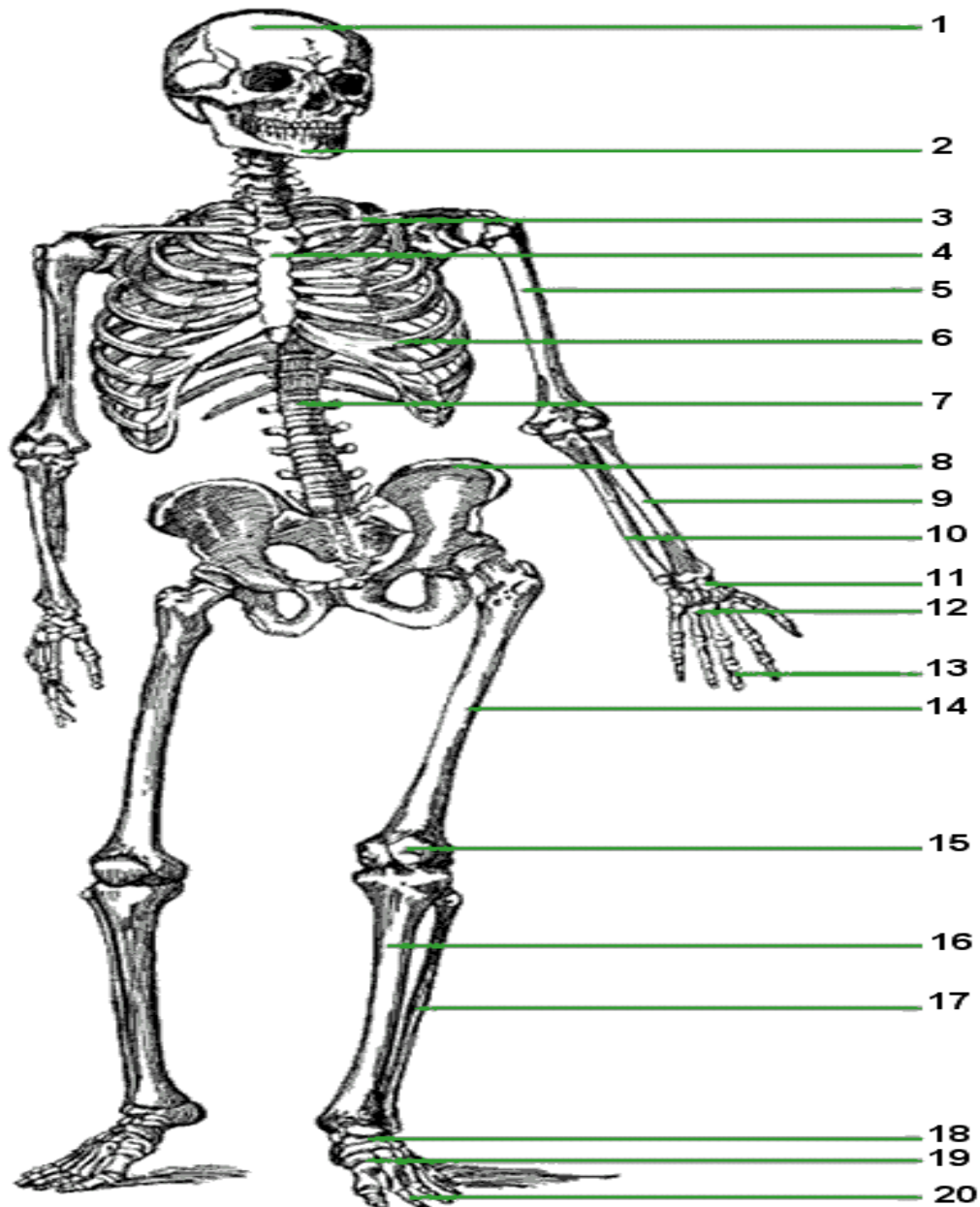
- a. Identify the functions of the following parts of the brain:
 - i. Cerebrum (**3 marks**)
 - ii. Temporal lobe (**3 marks**)
 - iii. Parietal Lobe (**5 marks**)
 - iv. Frontal lobe (**5 marks**)
- b. The human brain is divided into -----, ----- and ----- Brain (**3 marks**)
- c. The hind brain is composed of three parts namely: -----, ----- and ----- (**6 marks**)

Question 3:

- a. What is Haematology? (**5 marks**)
- b. What are the characteristics of the human blood (**10 marks**)
- c. List 5 characteristics of each of the following:
 - i. Erythrocytes (**5 marks**)
 - ii. Leucocytes (**5 marks**)

Question 4:

- a. Label the diagram below: **(20 marks)**
- b. Identify 5 functions of the skeletal system **(5 marks)**



Question 5:

- a. Describe the human heart **(10 marks)**
- b. Describe the process of blood circulation within the human heart **(15 marks)**

Question 6:

- a. Label the diagram below **(15 marks)**
- b. Explain the process of food digestion **(10 marks)**

