

GOVERNMENT BILINGUAL HIGH SCHOOL YAOUNDE
DEPARTEMENT: BIOLOGY.
MOCK EXAMINATION

SUBJECT TITLE	HUMAN BIOLOGY
PAPER N°	PAPER 2
SUBJECT CODE N°	0565
CENTRE	

TWO AND A HALF HOURS

You are required to answer FIVE questions choosing THREE from section A and TWO from section B. All the questions carry equal marks and marks allocated to parts of questions are indicated.

Extra questions answered from each section shall NOT be marked.

You are reminded of the necessity for good English and orderly presentation in your answers

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Section A

Answer three questions from this section

1. a) Define the term homeostasis
b) Describe the role played by the liver in homeostasis
c) In tabular form; list the other organs involved in homeostasis and the factor each regulates
(3, 11, 6 marks)
2. a) Describe how the secretion of digestive enzymes is controlled.
b) Describe the mechanisms involved in the absorption of digested food
c) How is the ileum adapted to carry out its functions effectively?
(10, 5, 5 marks)
3. a) Name four types of moveable joints. For each type state the main characteristics and one area where it is located in the body.
b) State six functions of the human skeleton
c) Give two characteristics of the skeleton muscles that enable them to perform their function.
(12, 6, 2 marks)
4. The human blood circulatory system is also commonly referred to as the transport system.
a) Make a diagrammatic representation of the general plan of the blood circulatory system.
b) Justify the description "Transport system" by stating the transport function of blood
c) What are the possible blood groups inherited by children born to a group A mother and a group B father? Explain your reasoning
(10, 5, 5 marks)
5. With the aid of suitable diagrams, explain how
a) Ventilation of the lungs is brought about
b) Gaseous exchange at the lungs is brought about
(10, 10 marks)

Section B

Answer two questions from this section

6. a) With the aid of an annotated diagram ONLY show how carbon circulates in nature.
b) What are the harmful effects of each of the environment?
i. Deforestation
ii. Global warming
iii. Misuse of nitrogenous fertilizers
7. a) Draw a large and neatly labeled diagram of a generalized bacterial cell.
b) List the conditions necessary for the growth and multiplication of bacteria
c) How are bacteria useful to man?
(7, 5, 8 marks)
8. Alcoholism is a social ill in both the developing and developed countries. This social ill affects both the individual consumer and the society
a) How does alcoholism affect
i. The individual?
ii. The society?
b) How many alcoholism be combated
c) Smoking marijuana is very rampant among the youths. What are some of the harmful effects of this habit?
(12, 3, 5 marks)
9. a) Define the following terms commonly used to describe the spread of diseases
i. Endemic
ii. Epidemic
iii. Pandemic
b) Write short notes on these diseases under the following heading; causative agent, method of transmission and method of prevention
i. Athlete's foot
ii. Poliomyelitis
iii. Cholera
iv. Tuberculosis
c) Why is it advisable to prevent contracting a disease than to cure it?
(3, 3, 3, 3, 3, 5 marks)