

RWANDA NATIONAL EXAMINATIONS COUNCIL



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| <u>Pupil's complete index number</u> | | | |
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| <i>Province</i> | <i>District</i> | <i>Exam centre</i> | <i>Student</i> |
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PRIMARY LEAVING NATIONAL EXAMINATION 2002-2003

JUINE 2003

ELEMENTARY SCIENCES AND SOCIAL STUDIES

Duration: 2 hours

Marks:

/100

Instructions

- Write your index number in full.
- All questions are compulsory.
- Read each question carefully before answering it.

SECTION A

1. Mammals have five senses. Match the organs in list A with the corresponding sense in list B.

List A

- a) Nose
- b) Tongue
- c) Eye
- d) Ear

List B

- Sight
- Smell
- Taste
- Feeling
- Hearing

(4 marks)

2. Plants have three main parts, roots, stem and leaves.

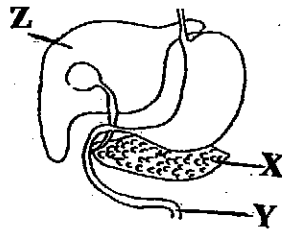
a) Name one example of a plant whose roots are food to people. **(1mark)**

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b) Name one example of a plant whose stem is food to people. **(1mark)**

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3. The diagram below shows part of alimentary canal of a person.



a) Name the organs labelled X and Y.

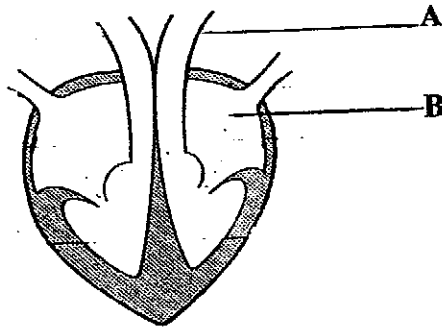
X is **(1mark)**

Y is **(1mark)**

b) What is the use (function) of Z ? **(1mark)**

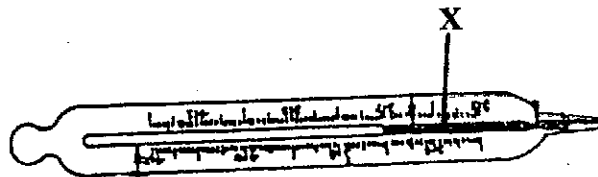
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4. Study the diagram below of a human heart and answer the questions after it.



- a) Name the parts labelled A and B.
 A is (1mark)
 B is (1mark)
- b) The blood pumped by the heart to the whole body contains red blood cells and white blood cells. Which of the two types of cells that defend the body against dangerous micro organisms ? (1mark)

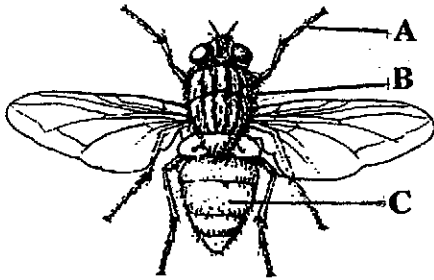
5. The diagram below shows an important instrument.



- a) What is the name of the instrument ? (1mark)
 b) Name the liquid in the narrow tube X. (1mark)
 c) What is the use of the instrument ? (1mark)

6. State three biological differences between a plant and a stone. (3marks)

7. The diagram below shows some parts of a house fly.



a) Name the parts labelled A, B and C. **(3marks)**

A is

B is

C is

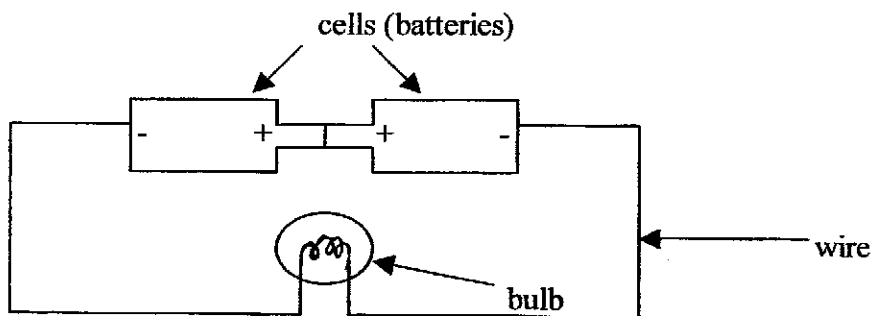
b) Name one disease that is spread by house flies. **(1mark)**

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c) State one thing you can do so as to avoid the disease. **(1mark)**

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8. The diagram below is of a simple electric circuit.



a) What is the use of the wire ? **(1mark)**

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b) Will the bulb show light? **(1mark)**

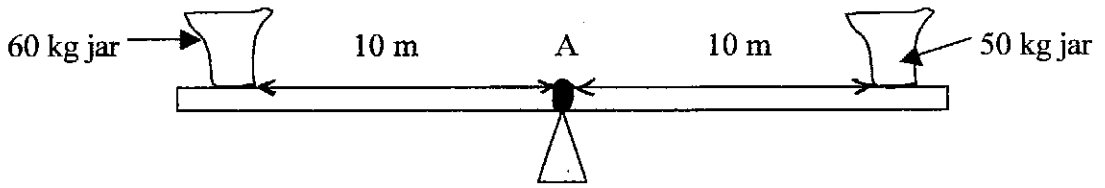
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9. When it is raining, people see lightning before they hear thunder. Why ? **(1mark)**

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10. The diagram below is a simple lever system. Each jar is placed 10 m from the pivot A.



a) Which of the two jars will push the lever down? (1mark)

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b) What would you do so that the lever stays horizontal? (1mark)

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11. a) State three important tools that are used in farming. (3marks)

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b) If you are advised to keep only one cow that produces a lot of milk for selling, which type of cow would you keep? (1mark)

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12. Maize is grown in many parts of the world because it is used in many ways by people.

State three ways you can prepare maize to feed yourself. (3marks)

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13. People say that AIDS is a killer disease when you have it.

State two pieces of advice you would give to your friends so that they never get AIDS.

(2marks)

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14. Give two reasons why soil erosion is very dangerous. (2marks)
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.....

15. Match the diseases in list A with the cause of the disease in list B. (4marks)

List A

List B

Malaria

Sharp objects

Dysentery

Mosquitoes

Wounds

Coldness

Pneumonia

Drinking dirty water

From question 16 to 22, answer true if the statement is correct and answer false if the statement is wrong.

16. A person sees his image in a mirror because of reflection. (1mark)
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17. An echo is refraction of sound. (1mark)
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18. Similar poles of two magnets can attract each other. (1mark)
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19. We get heat from the sun through conduction of heat. (1mark)
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20. The fertilised egg of a mammal is called a zygote. (1mark)
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21. A stone sinks in water because the density of a stone is greater. (1mark)
.....

22. Matter exists in two states. (1mark)
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SECTION B

23. What are the names of people who started the following religions? **(2marks)**

a) Islam

b) Christianity

24. Name the Head quarters (Holy towns) for the following religions : **(2marks)**

a) Catholics

b) Moslims

25. Which are the Two most important commandements that all religions follow? **(2marks)**

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26. In Religious books, you are told that Abraham had a son called Isaac. Isaac had two sons.

What were their names ? **(2marks)**

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27. Imagine you are the only child at home. State three responsibilities (duties) you would give yourself at home. **(3marks)**

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28. Imagine you are a class monitor and pupils always make noise when the teacher is not there.

State two things you would do. **(2marks)**

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29. Name three basic needs that children must have. **(3marks)**

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30. In March this year President KAGAME got a medal (reward) for being the best in the world among young Presidents.

a) Which country that is ruled by President KAGAME? **(1mark)**

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b) State two things President KAGAME has done so as to become the best. **(2marks)**

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31. There are three organs of a state.

The first one is The Executive.

Name the other two organs . **(2marks)**

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32. a) Name the institution that is responsible for collecting tax money from people. **(1mark)**

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b) State two uses of tax money to the people of Rwanda. **(2marks)**

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33. Communication between people and between places is very important.

State three types of communication. **(3marks)**

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34. Which country in the Middle East America started fighting in March this year ? **(1mark)**

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35. Mention the colours of the national flag of Rwanda. **(3marks)**

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36. Name any two countries in Europe that have ever colonised African countries. (2marks)

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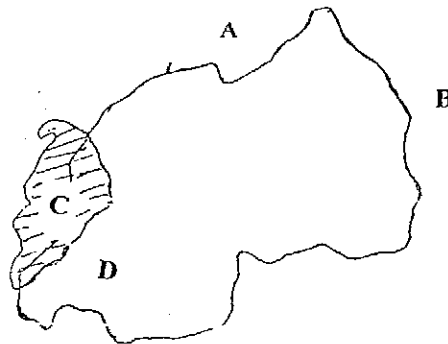
37. Give two problems that the first missionaries faced in Rwanda. (2marks)

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38. Name two countries in Africa where there was slave trade. (2marks)

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Study the map of Rwanda below and answer the questions 39 to 44.



39. Name country A. (1mark)

A is

40. Name one province bordering Rwanda and country A. (1mark)

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41. Name the Lake marked C. (1mark)

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42. Name the river at the border between Rwanda and country B. (1mark)

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43. Give the name of the forest found in province D. (1mark)

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44. Name two cash crops grown in Rwanda.

(2marks)

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Study the map of Africa and answer questions 45 to 50.



45. Name sea W.

(1mark)

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46. Name river Y.

(1mark)

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47. Name Lake P.

(1mark)

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48. Name ocean R.

(1mark)

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49. Name desert N.

(1mark)

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50. Name town M.

(1mark)

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