

KYELEGWA DISTRICT EDUCATION COMMITTEE  
PRIMARY LEAVING MOCK EXAMINATION 2023  
INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

Random No.						Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

**Read the following instructions carefully:**

1. This paper has two sections: A and B. Section A has **40** questions and section B has **15** questions.
2. Answer **all** questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be allowed.
4. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss of marks**.
5. Do **not** fill anything in the table indicated: "For Examiners' use only"

FOR EXAMINER'S USE ONLY		
PAGES	MARKS	EXR'S NO
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<b>TOTAL</b>		

### SECTION A (40 MARKS)

1. Which substance can exist in all the three states of matter?

2. Give a reason why drugs should be kept away from children.

3. What do we call the removal of the outer older skin to allow the snake grow a new skin and increase in size?

4. Why does blood flow to the lungs before it is supplied to the rest of the body parts?

5. State any one law that govern the use of alcohol in Uganda.

6. Define the term **resources**.

7. Identify any one way how plants reduce the rate of transpiration.

8. State the importance of ligaments in the human skeleton.

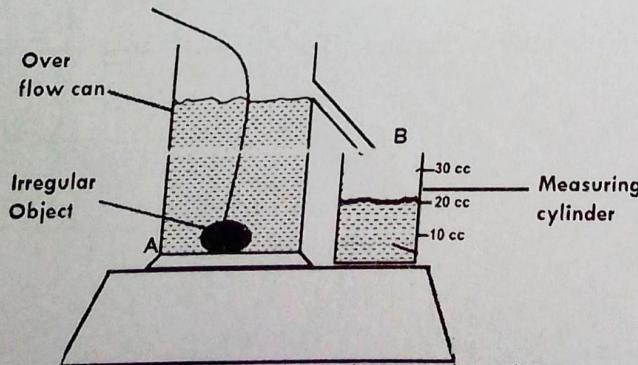
9. Of what importance is thin layer of blubber to a whale?

10. Mention any one activity that the school children can do to promote immunisation programme in their communities.

11. Apart from the **sun**, name any one other natural source of light energy.

12. Write down any one effect of weeds to crops growing in the garden.

**An experiment was carried out by a P.5 pupil as shown in the illustration below;**



13. What is the volume of the irregular object in container A?

17. State any one habit which helps to promote oral health.

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18. Which gas is used by food manufacturers for preserving drinks like sodas?

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19. Name the human body system to which the lungs, Kidneys and the skin belong.

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20. Identify the fungi which normally grows on the left over foods.

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21. Give a reason why the trachea is made of rings of cartilage?

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22. Of what importance are ventilators on a living house?

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23. What instrument is used to detect mastitis in milk?

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24. Identify any one effect of silting of water bodies.

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25. Give any one reason why we give first aid.

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26. State one element of P.H.C which helps in prevention of killer diseases.

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27. Mention any one importance of family planning to the mother.

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28. Mention the deficiency disease which is prevented by eating iodised salts.

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29. Why is a Stevenson screen painted white at a weather station?

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30. Give any one way in which proper disposal of wastes is important in our environment.

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31. How are arteries able to withstand pressure of blood pumped from the heart?

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32. Why are the legs of a person who has fainted raised higher than the head as a way of giving first aid?

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34. Name any one economic importance of keeping Rabbits to farmers.

35. Identify any one example of asexual reproduction in living things.

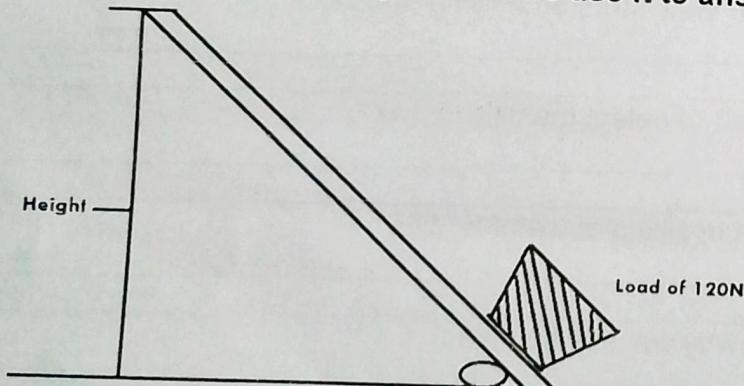
36. Mention any one method used to obtain clean water from dirty water.

37. What is the importance of including calcium in chicken feed?

38. Name the type of lens used to correct long sightedness.

39. Which part of the human ear equalises pressure in and outside the ear?

The diagram below shows simple machine use it to answer question 40.



40. Name the simple machine drawn in the diagram above.

#### SECTION B (60 MARKS)

(a) Give any two examples of a chemical change in the environment.

(i) \_\_\_\_\_

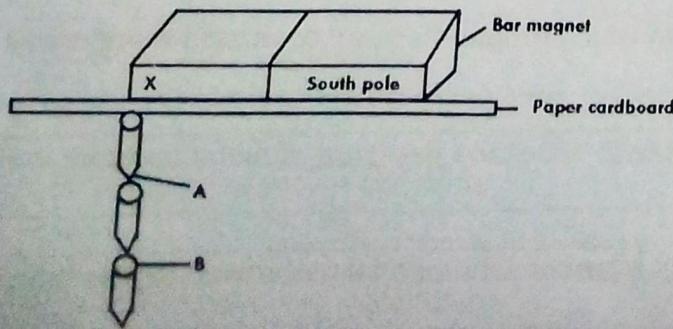
(ii) \_\_\_\_\_

(b) State any two characteristics of a physical change.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

Use the illustration below to answer question 42 correctly.



(c). If the pins were left to stay on the bar magnet for a night, how would the pins get magnetised?

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43. (a). What part of the body do earth worms use to breathe?

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(b). Why do earthworms come out of the ground when it rains heavily?

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(c). What type of skeleton does an earthworm has?

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(d). State the role played by earthworms to plant roots and organisms that live in the soil.

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44. (a). A P.6 child has bleeding gums and pain in joints. What food value is he lacking in the diet?

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(b). What piece of advice can you give to such a child?

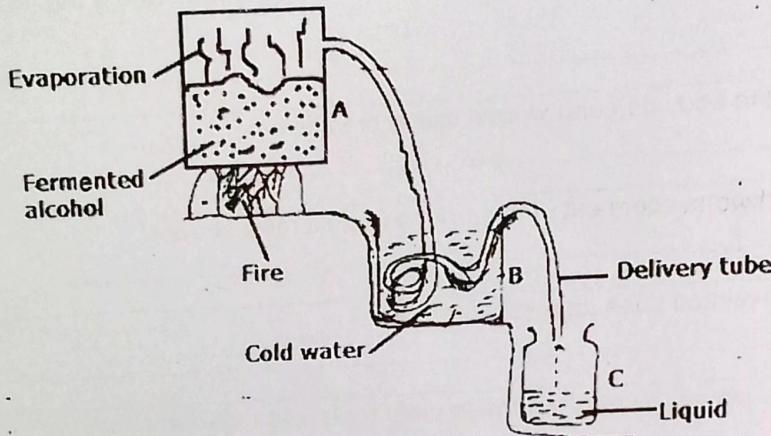
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(c). Give any one mineral salt that helps in proper formation of bones and teeth.

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- i. Crop rotation \_\_\_\_\_
- ii. Pruning \_\_\_\_\_
- iii. Thinning \_\_\_\_\_
- iv. Mulching \_\_\_\_\_

47. The diagram below shows a method of making alcohol. Use it to answer the questions that follow



(a). Name the method of making alcohol shown above.

(b). State the role played by each of the following;

- i. Fire under container A \_\_\_\_\_
- ii. Cold water in container B \_\_\_\_\_

(d). What scientific name is given to liquid collect in container C?

48. (a). What are **communicable diseases**?

(b). Give any **two** examples of communicable diseases.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

(c). State any **one** practice in a community that would help in the control of communicable diseases.

**Given the list of plants; Mosses, Ground nuts, pines and eucalyptus. Use it to answer question 49.**

49. (a). Name **two** plants from the list above that are flowering plants.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

(b). In which way is a moss different from other plants in the list.

(c). Identify **one** plant in the list that can be grouped under conifers.

50. Rodgers weighs 36 kg and sits 12 metres from the pivot. Prosper who weighs 54 kg sits on the opposite side of the see-saw.

(a). Draw a sketch to show the position of Rodgers and Prosper on the see-saw.

(b). Find the distance of Prosper from the pivot.

(c). How far is Rodgers from Prosper?

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(d). Why would you group a see-saw in levers of first class?

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51. (a). Name any two products got from sheep.

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(b). What does shearing refer to in sheep rearing?

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(c). How can a farmer control Endo parasites in sheep?

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52. The illustrations below represent sound waves. K and L. Use them to answer questions which follow.



(a). Compare the sounds produced by two waves K and L.

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(b). Give any one way in which sound and light are similar.

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(c). Why is lightening seen before thunder is heard during lightening?

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(d). What is the function of the auditory nerve?

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53. The table below shows different groups of vertebrates. Use it to answer the questions that follow.

**A**

Birds

**B**

Mammals

**C**

Amphibians

(a). To which group of vertebrates does each of the following belong?

i. Bat \_\_\_\_\_

ii. Toad \_\_\_\_\_

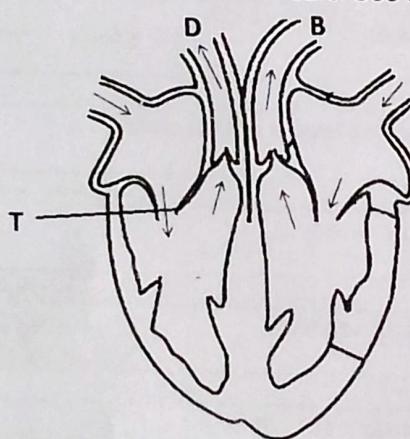
(b). Give any one way in which the reproduction of animals in group B is different from that of animals in group C.

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(c). Give any one other group of vertebrates which is missing from the table.

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54. The diagram below shows a human heart. Use it to answer questions that follow.



(a). How does blood transported in blood vessel B differ from that transported in blood vessel D?

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(b). State the function of part T in the heart.

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(c). Which blood cell transports oxygen around the body?

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(d). Why are the walls of the left chambers of the heart thicker than those of the right chambers?

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55. (a). Give any two reasons why a mushroom is not a plant.

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(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b). Give any two plants that reproduce in the same way like a mushroom.

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(i) \_\_\_\_\_

(ii) \_\_\_\_\_