

# MUKONO DISTRICT MOCK 2023

SCIENCE

DURATION: 2 HOURS 15 MINUTES

Random No.					Personal No.		

CANDIDATE'S NAME .....

CANDIDATE'S SIGNATURE: .....

SCHOOL NAME .....

DISTRICT ID NO. 

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DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following Instructions carefully.

1. This paper is made up of **Two** sections:  
**A** and **B**.
2. Answer all questions. All questions to  
**both** sections **A** and **B** must be written  
in the spaces provided
3. **ALL** answers must be written in  
blue or Black ball-point pen or ink.
4. **Unnecessary** alteration of work  
may lead to loss of marks.
5. Any **handwriting** that cannot easily  
be read may lead to loss of marks.
6. Do not fill anything in the boxes  
shown "**For Examiners**" Use Only"  
and those inside the question paper.

FOR EXAMINERS' USE ONLY

Qn.No.	Marks	Sign.
1-10		
11-20		
21-30		
31-40		
41-50		
51		
52		
53		
54		
55		
TOTAL		

Mob: 0772 461 137



### SECTION A

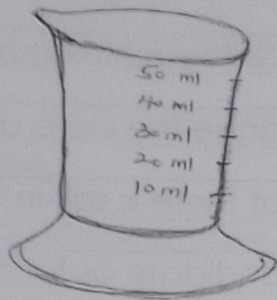
1. What is the main source of water on earth?
2. How is the use of biogas friendly to the environment?
3. Name the type of weather that makes school children discover the use of sweaters.
4. Mention one indicator of sexual maturity in adolescent girls only.
5. State one way fish helps to improve the health of people in a family.
6. Point out one activity that can be done during community clean up campaigns.
7. What makes wood fail to burn into ash during making of charcoal.
8. Why should there be a hand washing facility near a latrine?
9. Name any one authorized place to get medical drugs in case you need them.
10. How is recycling of plastics useful to the environment?
- 11) What is the importance of wringing clothes after washing.
12. Name the Component of air used by plants to make starch during photosynthesis.
13. State any one reason why it is encouraged to store garden tools in a dry place.
14. How is the reproduction of toad stool similar to that of mosses?
15. Name any one form of energy produced by a working charcoal stove.
16. Write any one cause of drug abuse among adolescents.
17. Write one sign of a dehydrated person.



18. Why should we preserve food?

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The diagram below shows a common tool used in science experiments. Use it to answer question 19.



19. Give the use of the above tool to a science class.

20. Why are fire extinguishers painted red?

21. How are ferns different from Conifers?

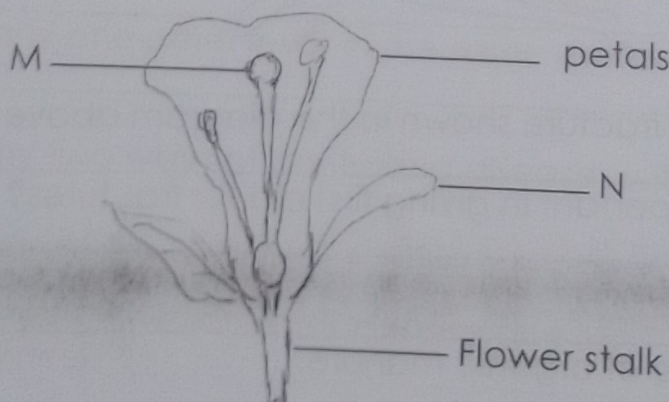
22. Write any one way of keeping kidneys in a good working condition.

23. Give one use of a dog at home.

24. Name one insect which undergoes through a complete metamorphosis.

25. Name the immunisable disease which attacks the limbs.

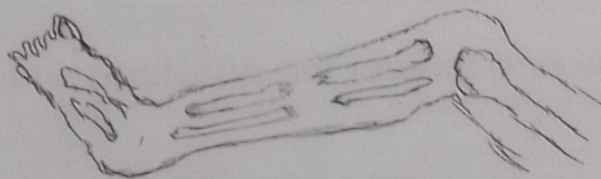
Study the diagram below and answer the questions which follows.





26. Name the function of part labelled M to the flower.
27. Name part labelled N.
28. Why is a bat able to move at night without hitting obstacles?
29. Which form of energy is able to change the state of matter?
30. Which sense helps Paul to know that there is salt in the soup?
31. What role can you play as a p.7 Candidate as far as immunization in your area is concerned?
32. Give any one advantage of breast feeding to the family.
33. Why do farmers castrate male animals on their farms?
34. Which disorder of the digestive system is prevented by eating food with roughages.
35. Suggest any one way of controlling houseflies in the environment.
36. State one property of matter.

**The diagram below shows a fracture. Use it to answer questions 37 and 38.**



37. Name the type of fracture shown in the diagram above.
38. Why is splinting important in giving first aid for fractures?
39. Give one way a poultry farmer can control vices in poultry.
40. Write one example of organic manure.



### SECTION B

41.a) Write two ways of protecting water sources.

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

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

b) Write two ways how people Contaminate water at the source.

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

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

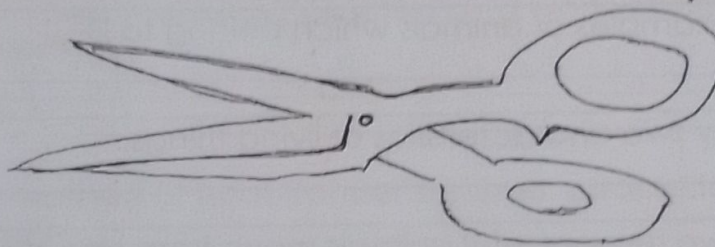
42.a) What is **sound** ?

b) Give one factor which affects the pitch of sound.

c) How does sound travel?

d) State one way of reproducing sound stored by notations.

43. The diagram below shows a lever, Use it to answer question 43.



a) Write the class of lever to which the above tool belongs.

b) Give a reason for your answer in question (a) above.

c) Use letter "P" to show the position of the load on the diagram above.

d) Indentify any one other lever in the same class as the above.

44.a) State any two ways of controlling diseases without using drugs.

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

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

b) Name the vectors which spread these diseases.

i) Sleeping sickness \_\_\_\_\_

ii) Diarrhoea \_\_\_\_\_



45.a) Mention any two signs of poor sanitation in a home.

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

b) Suggest any two ways of promoting sanitation in a home.

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

46.a) Use the table below to answer the questions that follow.

A	B	C	D
Fish	Mammals	Reptiles	Amphibians

a) Name the characteristic which is similar to all animals in the table.

b) How are the animals in group B similar to those in C in terms of reproduction?

c) Give two examples of animals which belong to D

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

47.a) Write any two characteristics of living things.

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

b) List down two reasons why animals move from one place to another.

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

48. a) How are the following items useful to a First Aider?

i) Stretcher \_\_\_\_\_

ii) Splints \_\_\_\_\_

iii) Bandage \_\_\_\_\_

iv) Gloves \_\_\_\_\_

49.a) Besides broadcasting , name one other method of planting seeds .

b) Give one advantage of the broadcasting method of planting.



c) Write one non-seed material that can be used in the propagation of plants.

d) Identify any one condition that may fail a seed to germinate.

50.a) Name any one viral disease in Cattle.

b) Mention any two ways of controlling diseases in Cattle.

c) How can a farmer improve on his local breeds of Cattle on a farm?

51. Apart from a worker bee, mention two other types of bees found in the bee hive.

b) Write down two materials collected by a worker bee from the environment.

52.a) Which method of heat transfer enables people to do the following?

i) Warm themselves using fire.

ii) Iron clothes.

iii) Get fresh air in a house.

b) State any one danger of heat.

53.a) Give the use of the following parts of an electric circuit.

i) Dry cells

ii) Wire

(b) Write two factors that can fail a bulb to light when a circuit is completed.



54. Match these body organs to their uses.

A

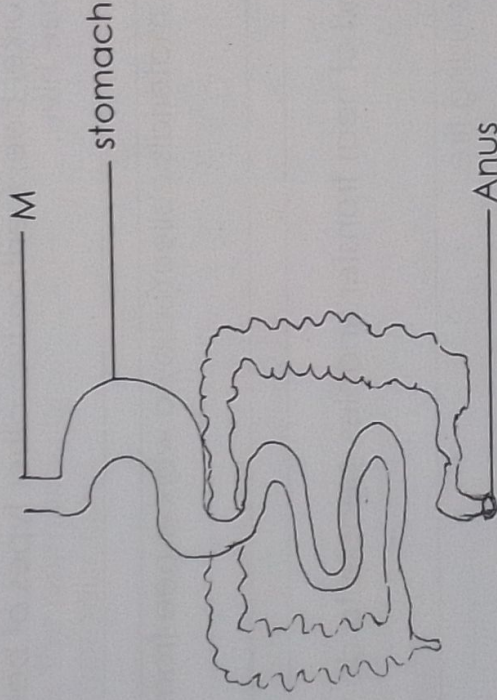
Brain  
Liver  
Kidneys  
Heart

B

Filters blood  
pumps blood to all body parts.  
Stores information  
manufactures bile.

- i) Brain \_\_\_\_\_
- ii) Liver \_\_\_\_\_
- iii) Kidneys \_\_\_\_\_
- iv) Heart \_\_\_\_\_

55. Below is a diagram of the human body system. Use it to answer the questions that follow.



a) Name the body system above .

b) What food value is digested in the stomach?

c) Name part marked " M"

d) Point out one disorder of the above body system.

\*\*\*\* GOODLUCK \*\*\*\*