## MASAKA UNITED SCHOOLS ACADEMIC **BOARD (MUSAB)**

# PRIMARY LEAVING MOCK EXAMINATION - 2023 INTEGRATED SCIENCE

Time allowed: 2hours 15 minutes

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	EMIS No.			Personal 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 has two sections A and B.
- 2. Section A, has 40 short questions (40mks)
- 3. Section B has 15 questions (60marks)
- 4. Answer all questions.

- 5. All answers to all questions must be written in the space provided.
- 6. All answers must be written using blue or black ball pen or ink.
- 7. Unnecessary crossing of work will lead to loss of marks.
- 8. Any handwriting that cannot easily be read may lead to loss of marks.
- 9. Do not fill anything in the boxes indicated "FOR EXAMINER'S USE ONLY"

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F	RE TOLD T	0 DO SO		_
	FO	R EXAM USE ON		
	QN: No.	MARKS	INITIALS	<b>**</b>
	1 - 10			
	11-20			****
	21-30			****
	31-40	i i		
	41-43			******
	44-46			
	47-49	. ,		
	50-52			
	53-55	•		
	TOTAL			
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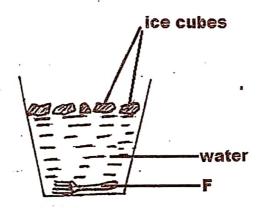
### SECTION: A

1.	Name the type of far	nily composed of	father,	mother,	herdsmal
	biological children.	r	· 2 - 6	20 1 K	553

2.	In which	season	do	farmers	mainly	grow	crops?
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- 3. Why can't sand disappear when put in water and stirred well?
- 4. How does regular brushing of the teeth promote oral health?
- 5. Name the element of Primary Health Care that is promoted by having enough rest and sleep.

### Study the diagram and use it to answer questions 6 and 7.



- 6. What happens to ice cubes immediately when put in water?
- 7. Name the type of object F according to its position.
- 8. How does tree planting control air pollution?

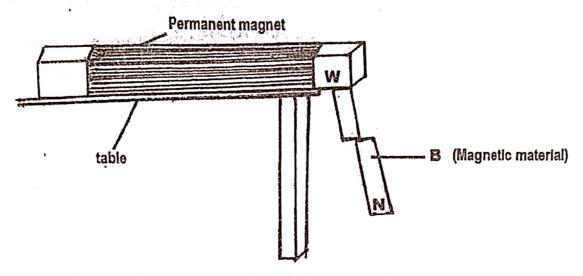
	pressure?
0.	How do vaccines boost immunity?
1.	State one structural difference between a hen and a cock.
12.	How does prolonged breast feeding create child spacing?
	Study the type of germination below and answer question 13 and 14
13.	Name part labeled R.

16.	Name the class of food whose chemical digestion starts from the duodenum.
17.	Why is a VIP regarded as an improved latrine?
18.	Give a reason why farmers are discouraged to harvest honey using dry burning banana leaves.
<b>19.</b>	How do deciduous plants reduce the rate of transpiration on a dry season?
20.	Name the soil layer that supports proper growth of plants.
21.	How is a shadow formed?
22.	Name the blood cells with a disc shape.
23.	State one way drug misuse is prevented at home.
24.	Why is mulching not practiced in beans and sweet potato gardens?
25.	Name any one type of bacteria.
26.	Give one way of preventing drought in an area.
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27.	Why do reptiles shed off their skins?
28.	State one similar primary sex characteristic in both adolescent boys and girls.
29.	How can we protect the health of vulnerable persons from being harmed?
30.	How is rabbit keeping valuable to crop farmers?
31.	Why do birds have streamlined bodies?
32.	Name one form of energy obtained from the sun.
33.	Work out the total voltage in one pair of new dry cells.
	Use the diagram below and answer question 34 and 35.
34.	Name the region of the tooth marked Q.
35.	How is the above tooth useful during digestion?
36	Give the importance of a chameleon in promotion of human health.

37.	What	t happens to matter when heated?					
38.	Name	e one drug of dependency which is chewed by addicts.					
39.	State	State any one cause of soil leaching.					
40.	Give one way apiarists protect honey bees from enemies.						
		SECTION: B					
41.	(a)	Give any one example of a chemical change in plants.					
	(b)	State any two characteristics of chemical changes.  (i)					
		(ii)					
	(c)	Give one way of protecting metallic garden tools from rusting.					
42.	(a)	Give an example of each of the following diseases in human beings.  (i) Fungal disease:					
	(b)	Give one way farmers can control fungal diseases in crops.					
	(c)	How do crop pests and diseases affect crop production?					
		-6-					
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43. The diagram below shows an activity of making magnets. Study it and answer questions that follow.



- (a) Identify the pole marked with letter W.
- (b) In which way does material B gain magnetism?
- (c) How can magnetism in material B be weakened?
- (d) Give any one use of magnets to a doctor.
- 44. (a) Give one example of worms that live in the liver.
  - (b) State any two signs of worm infestation in children below 5 years.
    - (i)\_\_\_\_\_
    - (ii) \_\_\_\_\_
  - (c) Give one health practice of controlling worm infestation in children.

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45. (a) Which management practice in cattle is carried out in the prevent inbreeding?

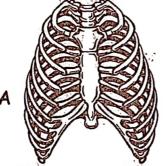
(b) Mention any two identification marks used in cattle management.

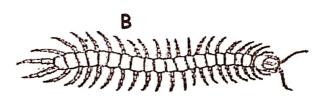
(i) \_\_\_\_\_

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

(c) How are the marks put on the body of a livestock useful to the farmer?

46. Study the skeletal structures below and answer questions that follow





(a) Name the skeletal structure marked A.

(b) Identify one delicate body organ protected by the skeletal structures marked A and B.

(i) <u>-</u>

(ii) \_\_\_\_\_(c) Which group of animals have a skeletal structure B?

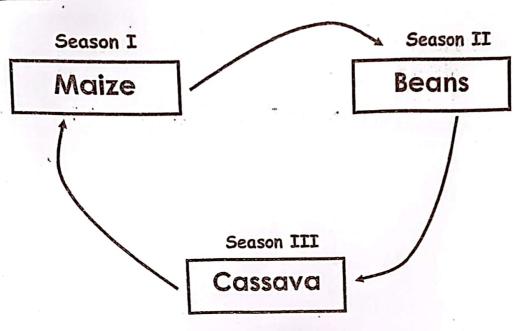
47. (a) Which type of manure is obtained from kitchen refuse?

(b) Give a reason why farmers add some water to the manure heap.

(d)	Apart from a	pplying fertilizers, how	w else can soil be conserved in			
	the garden.		•			
8. (a)	Name the vis	ame the visible component of the environment used by plants to ake food.				
(b)	Give any two		nd on tree growing together in			
	(i)					
(c	,	fuel, give one other pr	roduct obtained from trees.			
·	c) Apart from	fuel, give one other pr	roduct obtained from trees.  ow and complete it correctly.			
·	Apart from  Study the table	fuel, give one other pr	roduct obtained from trees.  ow and complete it correctly.			
·	Apart from  Study the table  Group	fuel, give one other pr	roduct obtained from trees.  ow and complete it correctly.  ple Mode of protection			
·	Apart from  Study the table  Group	fuel, give one other proof invertebrates beloe	ow and complete it correctly.  Mode of protection  Stinging			
·	Apart from  Study the table  Group	fuel, give one other proof invertebrates beloe Exampondo Millipede Caterpillar	ow and complete it correctly.  Mode of protection  Stinging			
·	Study the table  Group  Arachnids	fuel, give one other proof invertebrates beloe Examp	ow and complete it correctly.  Ple Mode of protection Stinging  Curling up  Hiding its hard shell			
49. <u>s</u>	Apart from  Study the table  Group  Arachnids  (a) Name one  (b) Why is it of (Give two)	fuel, give one other proof invertebrates beloe Examp  Millipede  Caterpillar  Oyster  iving energy resource indivisable to put off fire	ow and complete it correctly.  Ple Mode of protection Stinging  Curling up  Hiding its hard shell			

	(c)	Give any one method cooks use to put off fire in the kitchen.
51.	(a)	Apart from insects, give an example of foreign bodies common in
		the following body passages of children.
		(i) Eyes:
		(ii) Throat:
	(b)	Give one danger of having a foreign body in the throat.
	(c)	What first aid can be given to a child with a small insect in the ear?
.52	2. (a)	Give the main reason why farmers rear the following breeds of
		goods and sheep.
· •	:	(i) Merino sheep
		(ii) Alpine goat
•	, · · · ;	
	(b)	) State any two advantages of keeping goats and sheep over cattle.
		(i)
		(ii)

study the crop growing practice below and answer questions that follow.



- (a) Identify the crop growing practice shown in the diagram above.
- (b) Name the group of annual crops grown in season I and III.
  - (i) Season I
  - (ii) Season III
  - (c) Of what importance is the group of crops grown in season II to the soil?
- 54. (a) Name one excreta removed by each of the following body organs.
  - (i) The liver
  - (ii) Lungs

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(c) Name a	one skin disorder that destroys its normal colour.				
5. <u>Match the o</u>	rganisms in list A with the parts they use for de	tecting			
sound in B.					
A	В ,				
- Toad	- Ear drum				
- Shark	- Antennae				
- Slug	- Ears				
- Bat	- Lateral line				
	- Tentacles				
a) Toad	·				
b) Shark		-			
c) Slug	. А	-			
d) Bat		ø			

## END