MASAKA UNITED SCHOOLS ACADEMIC BOARD (MUSAB)

PRIMARY LEAVING MOCK EXAMINATION– 2023

INTEGRATED SCIENCE

Time allowed: 2hours 15 minutes

School: _____

EMIS No.						Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

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"**

FOR EXAMINER'S USE ONLY		
QN. No.	MARKS	INITIALS
1 - 10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

Turn over

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SECTION: A

1. Name the type of family composed of father, mother, herdsman and biological children.

_____

2. In which season do farmers mainly grow crops?

_____

3. Why can't sand disappear when put in water and stirred well?

_____

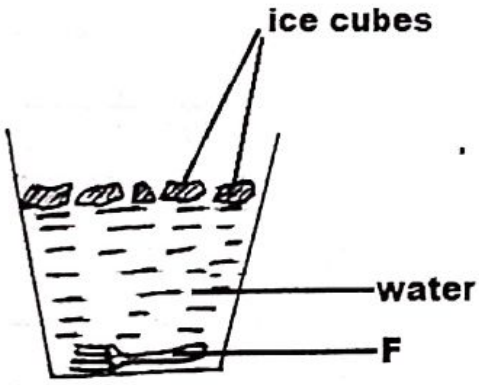
4. How does regular brushing of the teeth promote oral health?

_____

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?

_____

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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.

_____

19. 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.

_____

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97 What happens to matter when heated?

_____

98 Name one drug of dependency which is chewed by addicts

_____

99 State any one cause of soil leaching

_____

100 Give one way apiarists protect honey bees from enemies.

_____

SECTION: B

101 (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.

_____

102 (a) Give an example of each of the following diseases in human beings.

(i) Fungal disease: _____

(ii) Bacterial disease: _____

(b) Give one way farmers can control fungal diseases in crops.

_____

(c) How do crop pests and diseases affect crop production?

_____

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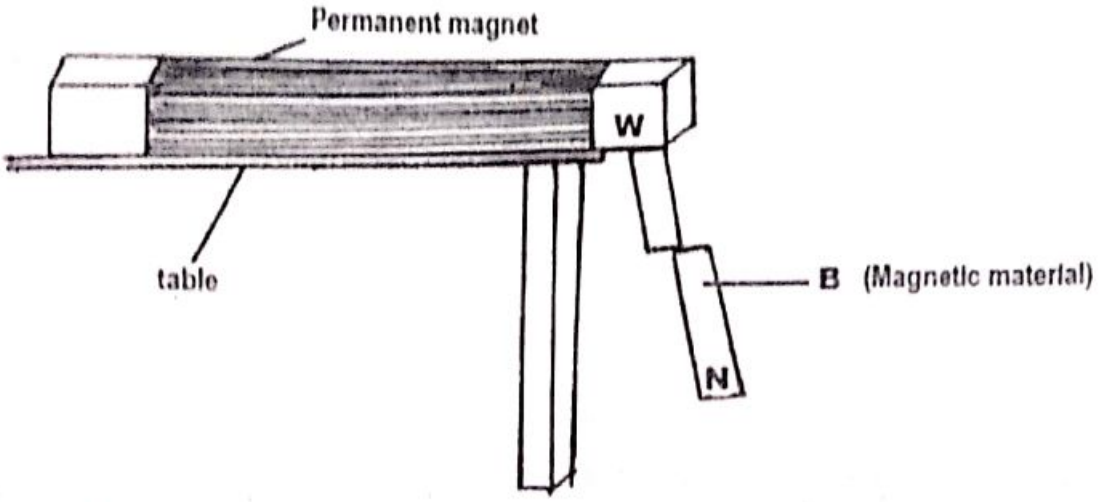
43. The diagram below shows an activity of making magnets. Study it and answer questions that follow.



(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 crush to prevent inbreeding?

_____

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

(i) _____

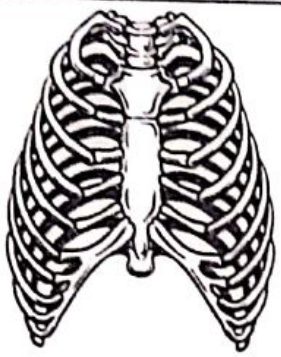
(ii) _____

(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



B

(a) Name the skeletal structure marked A.

_____

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

(i) _____

(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.

_____

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(c) State one advantage of using natural fertilizers.

_____

(d) Apart from applying fertilizers, how else can soil be conserved in the garden.

_____

48. (a) Name the visible component of the environment used by plants to make food.

_____

(b) Give any two ways how crops depend on tree growing together in the same garden.

(i) _____

(ii) _____

(c) Apart from fuel, give one other product obtained from trees.

_____

49. **Study the table of invertebrates below and complete it correctly.**

Group	Example	Mode of protection
Arachnids	_____	Stinging
_____	Millipede	Curling up
_____	Caterpillar	_____
_____	Oyster	Hiding its hard shell

50. (a) Name one living energy resource in the environment.

_____

(b) Why is it advisable to put off fire in the kitchen after cooking? (Give two reasons).

(i) _____

(ii) _____

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(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. (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) _____

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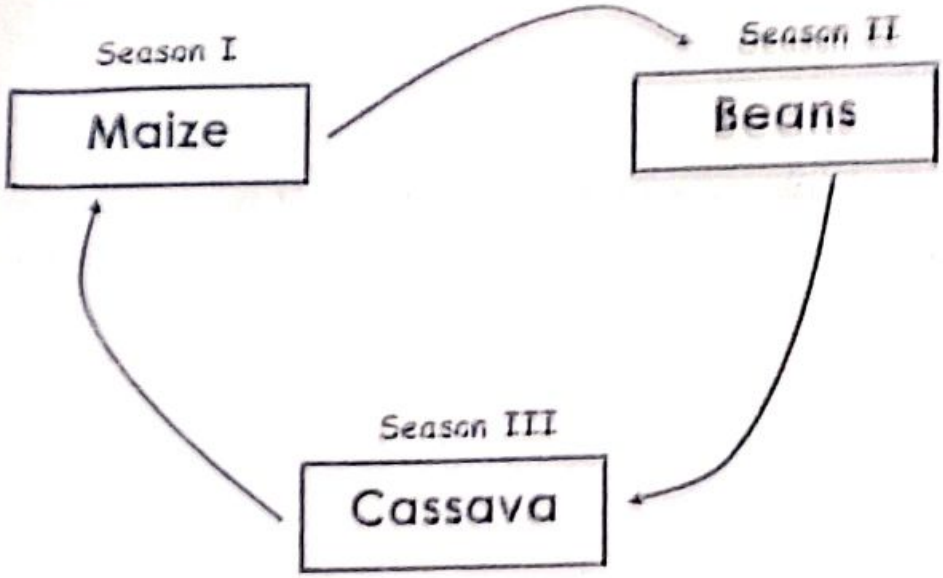
53. Study the crop growing practice below and answer questions that follow.



(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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(b) How does the skin regulate body temperature on a cold day?

_____

(c) Name any one skin disorder that destroys its normal colour.

_____

55. **Match the organisms in list A with the parts they use for detecting sound in B.**

A	B
- Toad	- Ear drum
- Shark	- Antennae
- Slug	- Ears
- Bat	- Lateral line
	- Tentacles

a) Toad _____

b) Shark _____

c) Slug _____

d) Bat _____

END

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