

**MASAKA UNITED SCHOOLS ACADEMIC
BOARD (MUSAB)**
PRIMARY LEAVING MOCK EXAMINATION- 2023
INTEGRATED SCIENCE

Time allowed: 2 hours 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

SECTION: A

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

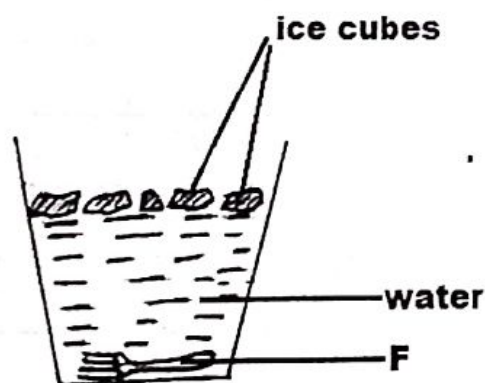
2. In which season do farmers mainly grow crops?

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?

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.
-

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 happens to matter when heated?

38 Name one drug of dependency which is chewed by addicts.

39 State any one cause of soil leaching.

40 Give one way apianists 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.

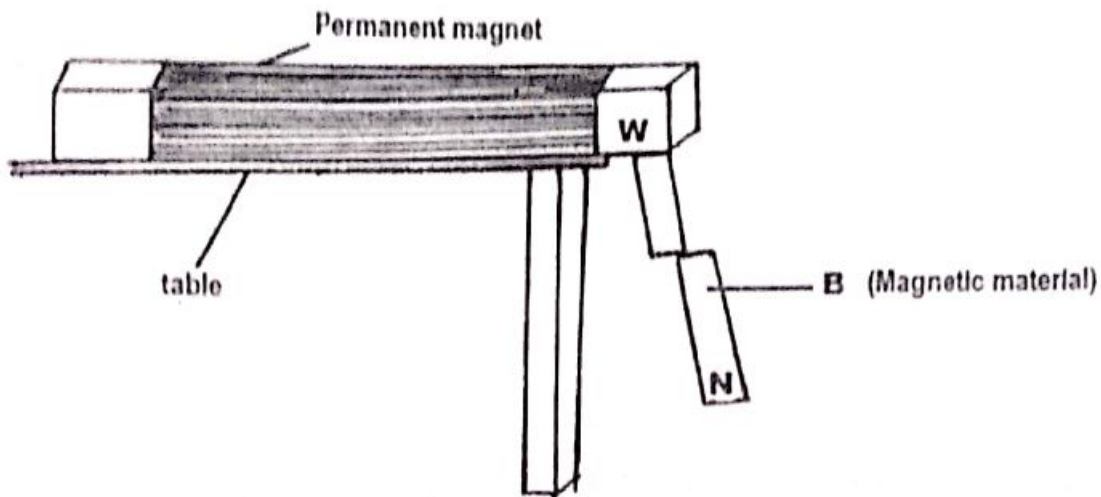
(i) Fungal disease: _____

(ii) Bacterial disease: _____

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

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

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.
- _____

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

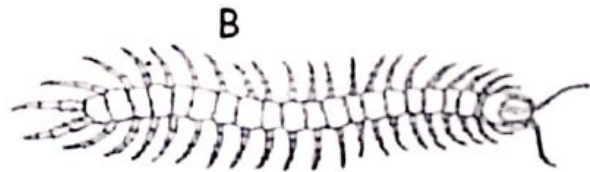
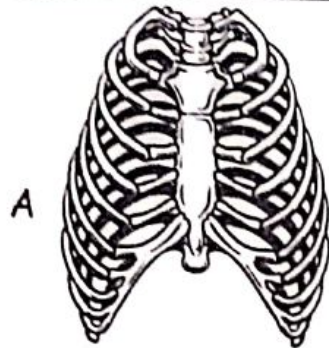
(b) Mention any two identification marks used in cattle management.

(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) 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.

(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) _____

(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

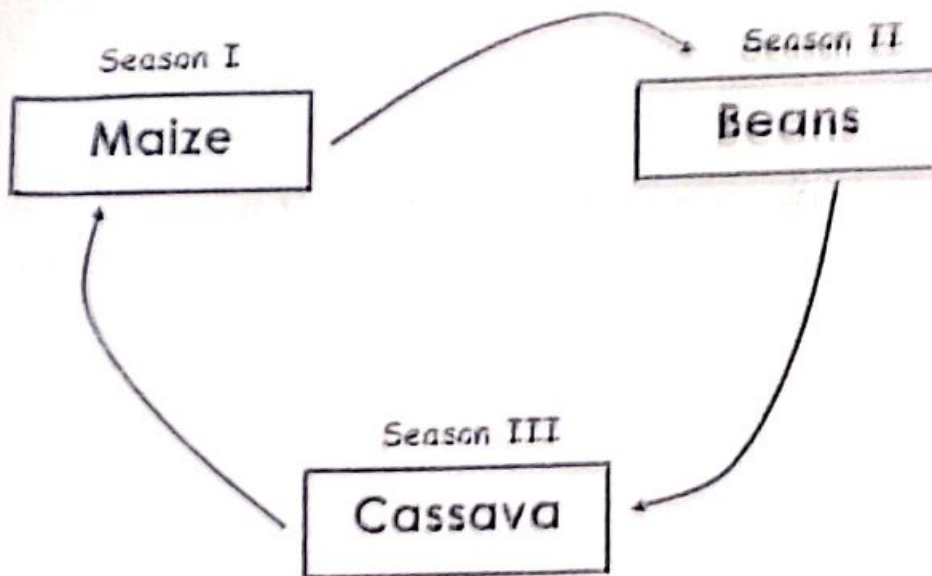
(ii) Alpine goat

(b) State any two advantages of keeping goats and sheep over cattle.

(i) _____

(ii) _____

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

(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