

MASAKA UNITED SCHOOLS ACADEMIC BOARD (MUSAB)

PRIMARY LEAVING EXAMINATION SPECIAL MOCK – 2025

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"

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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

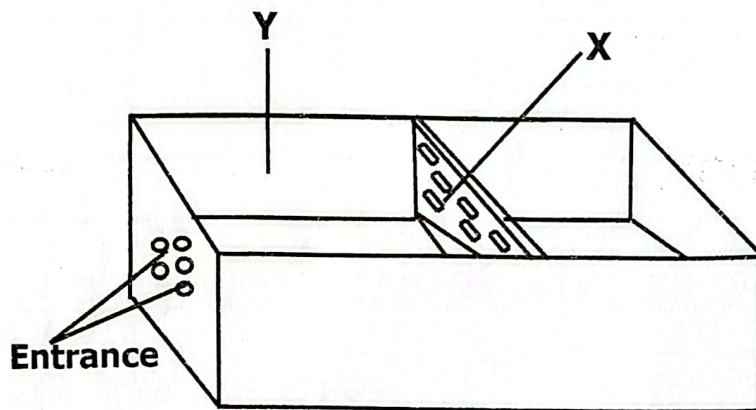
1. Name any one drug commonly abused in the society.

2. Mention any one disorder of the circulatory system.

3. State any one advantage of using electricity in the environment.

4. Name the vector which transmits sleeping sickness.

The diagram below shows a beehive. Use it to answer questions 5 and 6.



5. Name the chamber marked **Y**.

6. Give any one importance of part marked **X**.

7. State any one similarity between chemical changes and biological changes.

8. Give any one way of maintain oral health.

9. Mention any one way in which plants benefit animals.

10. State the way in which paddock grazing controls ticks on a cattle farm.

11. Name any one exotic breed of chicken kept for both eggs and meat.

Study the foodstuffs in the table below and answer questions 12 and 13.

A	B	C
Eggs	Cassava	Oranges

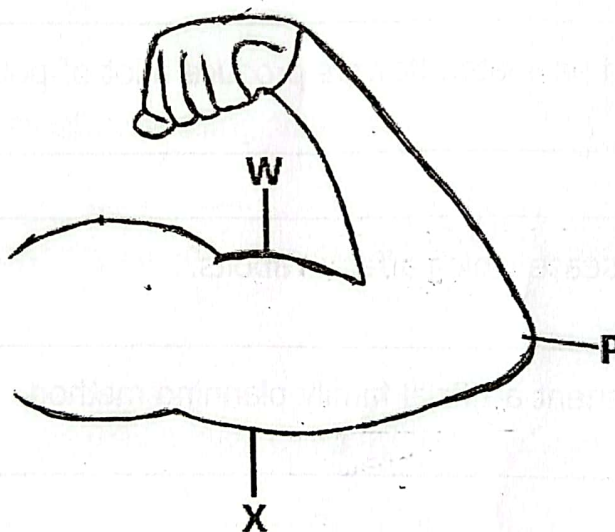
12. Name the class of food obtained from eating foodstuff **B**.

13. Give a reason why foodstuff **C** is added in the diet.

14. State any one medical importance of bacteria.

15. Name the sexually transmitted disease that destroys the skin.

The diagram below shows the human arm. Study it carefully and answer questions 16 and 17.



16. Name the type of muscles to which muscles **X** and **W** belong.

17. State the way in which the movable joint at **P** allows movement.

18. State the energy change which occurs in a working dry cell.

19. Name the device used by mariners to determine the depth of a water body.

20. Mention any one way of addressing inadequate water supply in the community.

21. Give any one importance of water during seed germination.

22. State any one way in which the use of pesticides in crop gardens affects soil.

23. Mention the way deciduous plants breathe during dry season.

24. State the way in which the screen on the vent pipe of a VIP latrine controls diarrhoeal diseases.

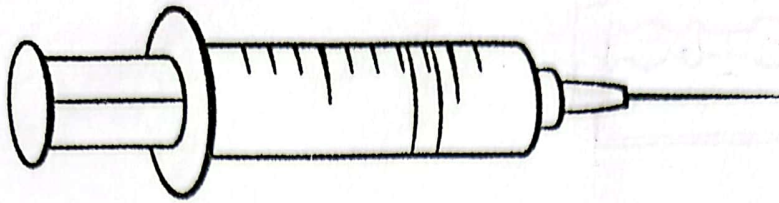
25. Name the digestive juice which does not contain enzymes.

26. Give a reason why wind pollinated flowers produce a lot of pollen.

27. Name the protozoan disease which affects rabbits.

28. Mention any one permanent artificial family planning method.

The diagram below shows an equipment used during immunization. Use it to answer questions 29 and 30.



29. Name the method of immunization in which the equipment above is used.

30. Name the vaccine administered to babies at birth using the equipment above.

31. State the property of magnets which helps a pilot to find directions.

32. Name the body sense which enables a P.4 child to detect the scent of a ripe jackfruit.

33. State one way of controlling soil erosion in the garden.

34. Give a reason why clean water obtained by decantation is not safe for drinking.

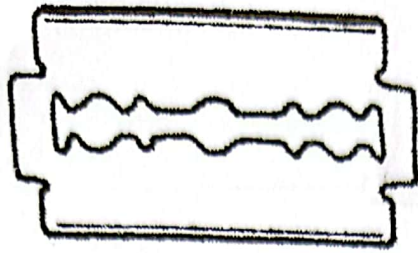
35. Mention the deficiency disease caused by lack of all food values in the diet.

36. Name the component of soil formed by decomposition of organic matter.

37. Mention any one characteristic of monocotyledonous seeds.

38. Give a reason why plants are regarded as producers in a food chain.

The diagram below shows a simple machine. Study it carefully and answer questions 39 and 40.



39. Name the simple machine drawn in the diagram above.
40. Give any one way in which the above simple machine is useful in promotion of personal hygiene.

SECTION: B

41. (a) Give any two types of manure.
- (i) _____
- (ii) _____
- (b) State any one advantage of using manures.
- _____
- (c) Mention any one method of applying solid fertilizers.
- _____
42. **The diagram below shows types of teeth present in the milk teeth. Study and use it to answer questions that follow.**



- (a) Name the type of tooth labelled N.
- _____

(b) State the way in which the type of tooth labelled **M** is adapted to its function.

(c) Give one structural similarity between the types of teeth labelled **M** and **N**.

(d) Mention the type of teeth which is present in the milk teeth besides the teeth shown above.

43. (a) State the difference between a guitar and a tube fiddle in the way they are played as string musical instruments.

(b) Give two ways of increasing the pitch of sound produced by string musical instruments.

(i) _____

(ii) _____

(c) Mention any one factor that affects the volume of sound.

44. (a) Name the agent of disposal for each seed mentioned below;

(i) Jacaranda seeds _____

(ii) Guava seeds _____

(b) Give any two ways in which plants benefit from having their seeds scattered to new areas.

(i) _____

(ii) _____

45. (a) State the way in which charcoal burning causes drought in the environment. (02marks)

(b) Apart from causing drought, give one other danger charcoal burning in the environment.

(c) State any one way of managing drought in the environment.

46. **FLOWER** touched a hot metal and got an injury on the hand.

(a) Name the common accident **FLOWER** got.

(b) Give a reason why you would advise **FLOWER** to dip the hand in clean cold water.

(c) Mention the **FLOWER'S** body organ that was damaged.

(d) State any one way of reducing accidents caused by hot objects at home.

47. (a) Name the energy resource obtained from animal wastes and plant residues.

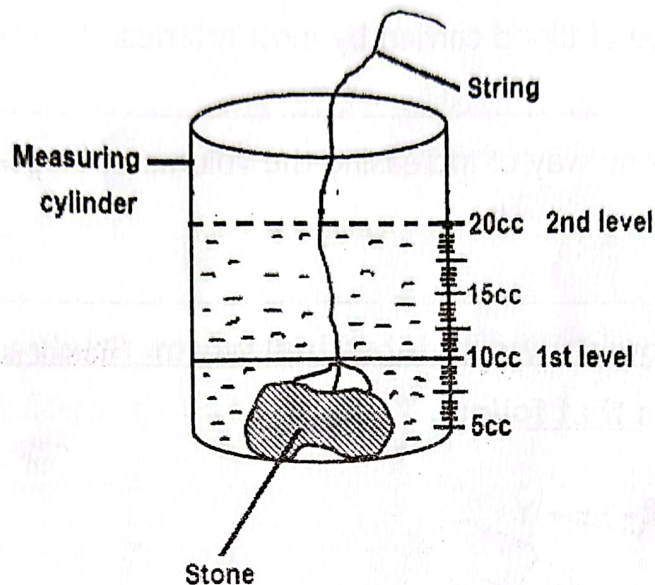
(b) Give any two examples of plant residues used in the production of the energy resource above.

(i) _____

(ii) _____

- (c) State the way in which the energy resource above conserves the environment.

48. **The diagram below shows a method of finding the volume of an object. Study and use it to answer questions that follow.**



- (a) Name the method of finding the volume of an object shown above.
- (b) Give a reason why the volume of water rose when a stone was lowered into the measuring cylinder.
- (c) Calculate the volume of the stone in the diagram above. (02marks)

49. (a) State any two structural difference between an artery and a vein.

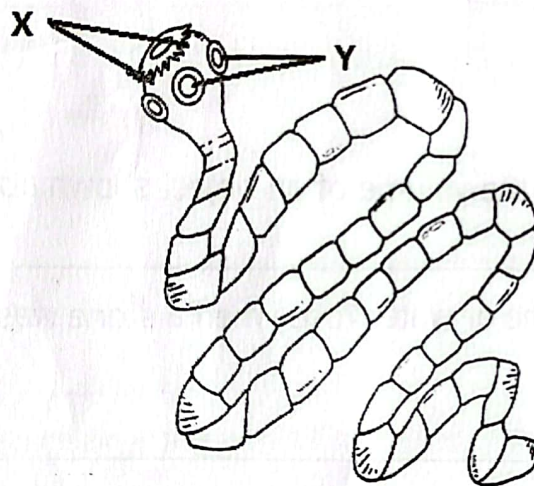
(i) _____

(ii) _____

(b) Name the type of blood carried by most arteries.

(c) Mention any one way of increasing the volume of blood in the human body.

50. **The diagram below shows an intestinal worm. Study and use it to answer questions that follow.**



(a) Name the intestinal worm shown above.

(b) State the similarity between the function of the parts marked **X** and **Y**.

(c) Mention the way in which the intestinal worm above enters the human body.

(d) State the danger of the intestinal worm above to human health.

51. (a) Give any one example of each group of tuber crops below:
- (i) Stem tubers _____
- (ii) Root tubers _____
- (b) Mention any one method of harvesting tuber crops.
- _____
- (c) State any one way of controlling tuber crop pests.
- _____
52. (a) Give any two examples of anti-social behaviour common in schools.
- (i) _____
- (ii) _____
- (b) Mention any two ways of controlling anti-social behaviour in schools without using corporal punishment.
- (i) _____
- (ii) _____

53. **Match the farm practices below with their importance.**

Farm practice

Importance

Castration	- ease tracking of livestock when lost
Docking	- controls internal parasites
Branding	- reduces the risk of flystrike
Drenching	- controls inbreeding

- (i) Castration _____
- (ii) Docking _____
- (iii) Branding _____
- (iv) Drenching _____

54. (a) Name the group of arthropods to which each animal below belongs:

(i) Scorpion _____

(ii) Lobster _____

(b) State the way in which a centipede protects itself from enemies.

(c) Give any one importance of insects in the environment.

55. **The experiment below was carried out by P.7 pupils to prove that light travels in a straight line. Re-arrange the steps below to form a correct procedure.**

- Place a candle flame in front of the hole on the first cardboard.
- Use a nail to create a hole in the centre of each cardboard.
- Observe through the hole on the last cardboard to see light from the candle flame.
- Place the cardboards on the table with the holes aligned in a straight line.

Correct order.

(i) _____

(ii) _____

(iii) _____

(iv) _____

END