

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

PRIMARY LEAVING EXAMINATION SPECIAL MOCK – 2024

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

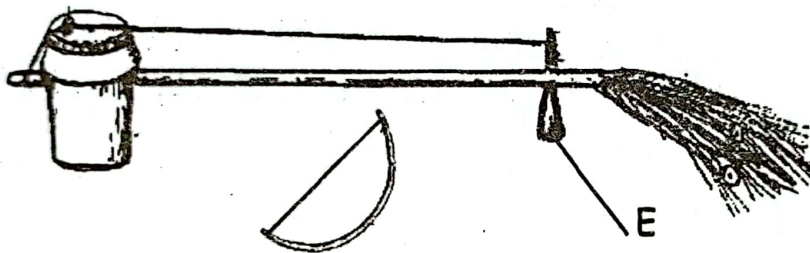
1. Name the main source of energy in the environment.

2. State any one effect that results from wearing dirty clothes.

3. Which body organ helps a P.7 candidate to recall the work taught in Primary Four?

4. Give any one medical importance of bacteria to people.

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



5. Name the above musical instrument.

6. What is the role of the structure marked E on the above instrument?

7. How is burning similar to germination?

8. Why should a rabbit hutch be raised above the ground?

9. Give any one way of solving inadequate food supply at home.

10. State any one danger of ploughing weeds into the soil as a method of improving soil fertility.

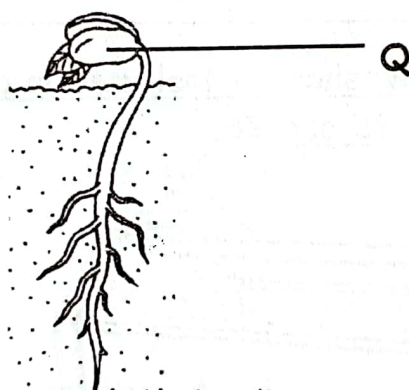
11. Give any one method of preparing food.

12. Mention any one disease of the skeleton that is not caused by germs.

13. How is a cactus plant adapted to surviving in dry areas?

14. Give one reason why a knife is a simple machine.

The diagram below shows a germinating seed. Use it to answer questions 15 and 16.



15. Name the type of change shown in the diagram.

16. Why does part marked Q turn green at the above stage?

17. Give any one factor that lowers the production of milk on a dairy farm.

18. Give one reason why pornography should be discouraged amongst the youth.

19. Name one mineral that is used as an artificial fertilizer.

20. Why should a person who has drunk an acaricide be given a lot of fluids?

21. Give a reason why vulnerable people should be given special care and diet.

Use a list of animals below to answer questions 22 and 23.

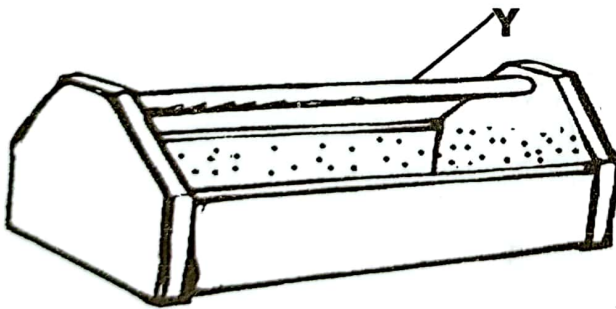
Rat, snake, frog

22. Which one of the above animals has a different mode of reproduction?

23. State one characteristic common to all animals in the above list.

24. Give one way of separating immiscible liquids.

The diagram below shows a tool used in a poultry house. Use it to answer questions 25 and 26.

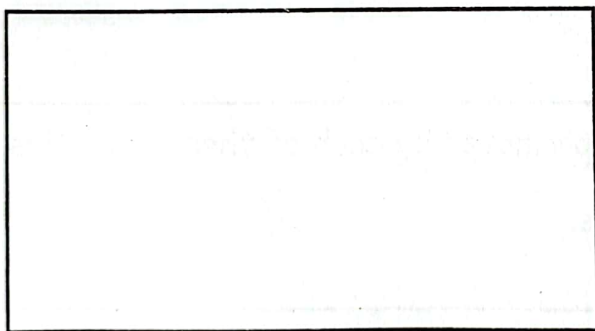


25. Name the above equipment.

26. Of what importance is the structure marked Y when the above equipment is in use?

27. Give any one effect of frequent births to the mother.

28. How do trees benefit crops growing together in the garden?
-
29. State any one life skill to safeguard against the use of addictive drugs.
-
30. Name the digestive juice produced without enzymes.
-
31. Give any one effect of withdrawing heat from matter.
-
32. Mention one way of managing rainy weather.
-
33. Give one advantage of growing annual crops over perennial crops.
-
34. Why should a family house have proper ventilation?
-
-
35. In the space provided, draw the structure of a molar tooth.



36. Give any one local material used to clean a pit latrine with un cemented floor.
-
37. State any one harmful effect of fungi to man.
-

38. Mention one way in which electricity can be saved at home.

39. Give one reason why mothers should go with a child health card whenever they take their babies for immunization.

40. How is foot and mouth disease spread in goat keeping?

SECTION: B

41. (a) Name the type of soil used for;

(i) cleaning metallic utensils

(ii) making tiles

(b) Why should the following items be included in compost manure formation?

(i) Water

(ii) Ash

42. (a) State the element of PHC promoted by each of these activities.

(i) Taking contraceptives.

(ii) Breastfeeding the baby

(b) Give any two principles of primary health care.

(i)

(ii)

43. The diagrams below show two blood vessels. Use them to answer questions that follow.



- (a) Give two structural differences between blood vessels A and B.

(i) _____

(ii) _____

- (b) State any one unhealthy habit that can lower the proper functioning of the blood vessel A.

- (c) Give any one disease that affects the circulatory system.

44. Complete the table below.

Organism	Larva stage	Breeding place
(i)	grub	Hive
Housefly	(ii)	Moist places
Mosquito	Wiggler	(iii)
(iv)	Caterpillar	Beneath leaves

45. (a) Give the type of change that occurs in each of these activities:

- (i) preserving food using a refrigerator

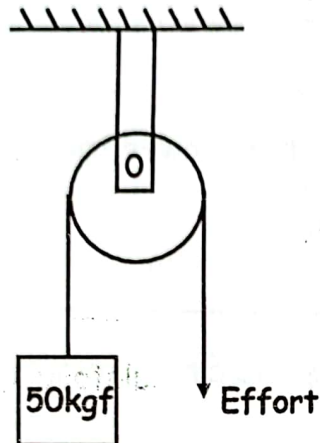
- (ii) adding iron to the soil

(b) Identify any two examples of biological changes in animals.

(i) _____

(ii) _____

46. The diagram below shows a simple machine used at school. Use it to answer questions that follow.



(a) Name the simple machine shown above.

(b) Give any one activity done at school with the help of the above simple machine.

(c) State any one factor that can affect the efficiency of the above machine.

(d) Calculate the effort needed to raise the load of 50kgf using the above machine.

47. Match the following animals with their product.

Animal	Product
Rabbit	Hide
Goat	Fur
Pigs	Mohair
Cows	Bristle hair

- (i) Rabbits _____
- (ii) Goats _____
- (iii) Pigs _____
- (iv) Cows _____

48. (a) Give the health concerns solved by the following activities.

- (i) Regular counseling and guiding of pupils

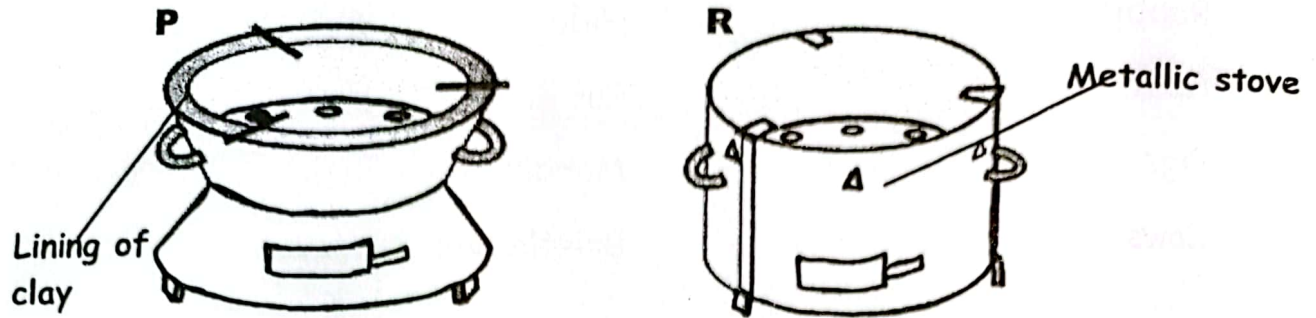
- (ii) Harvesting rain water

(b) Give one reason for carrying out each of the following in the community.

- (i) a health survey

- (ii) demography

49. The diagram below shows two charcoal stoves. Use it to answer questions that follow.



- (a) Give one advantage of using stove P over stove R when cooking.
- _____
- (b) How is the use of charcoal stove R when cooking unfriendly to the environment?
- _____
- (c) Give two ways of saving charcoal at home.
- (i) _____
- (ii) _____

50. Janet's daughter has sunken eyes, dry lips and passes out little urine. In four steps, explain how you would prepare a solution locally to treat Janet's daughter.

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

51. Give one role of each of the following reproductive parts in human being.

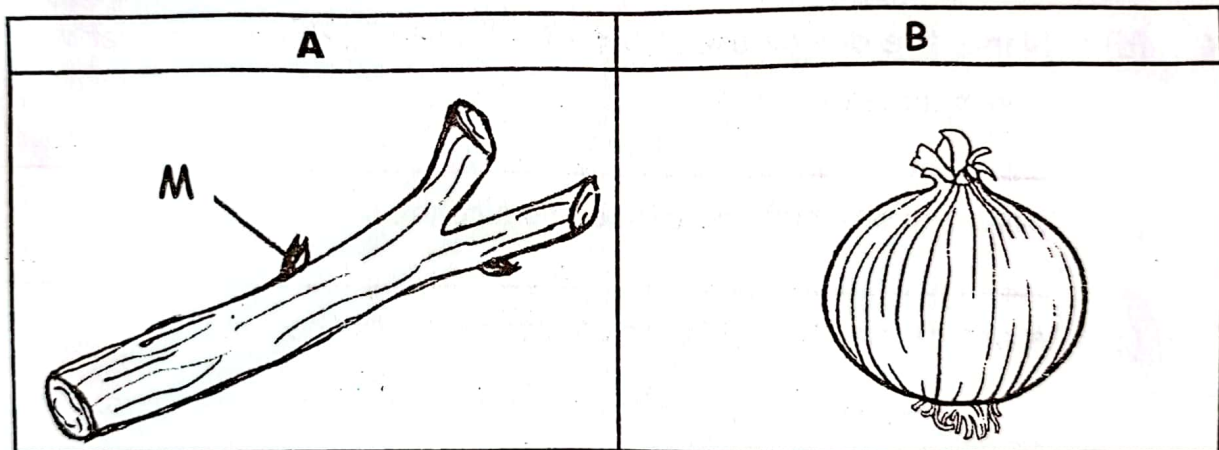
(i) Testis

(ii) Womb

(iii) Epididymis

(iv) Ovary

52. The diagrams below show two types of stems. Study them carefully and use them to answer questions that follow.



(a) Identify the types of stems marked A and B.

(i) A _____

(ii) B _____

(b) State the importance of the part of the stem marked M.

(c) Give any one use stems to plants.

53. An object of mass 48gs was lowered gently into a measuring cylinder. The level of water in measuring cylinder rose from 9cc to 17cc.
- (a) Find the volume of the above object. (2mks)

(b) Calculate the density of the above object. (2mks)

54. (a) Name the device used by traffic police to detect a driver who has taken alcohol.

(b) Give any one method of making alcohol.

(c) Mention any two effects of alcoholism to the family.

(i)

(ii)

55. (a) Give any two products we get from a beehive.

(i)

(ii)

(b) Identify one role of each of these bees in a hive.

(i) a drone bee

(ii) a queen bee

END