

MASAKA UNITED SCHOOLS ACADEMIC BOARD (MUSAB)

PRIMARY SEVEN SPECIAL MOCK EXAMINATION- 2022

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 one vulnerable group of people.

2. State one effect of plastics to the soil.

3. Give one way of caring for a human reproductive organ.

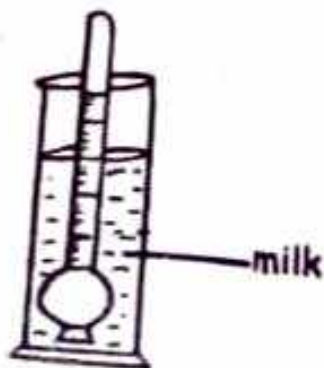
4. Give any one way in which plants can be harmful to people.

5. If a torch uses 2 pairs of dry cells. Work out the total voltage used by that torch.

6. Give any one chemical change in living things.

7. How can the spread of COVID - 19 be prevented at school?

The diagram below shows a tool used on a dairy farm. Use it to answer question 8.



8. Give one reason why the above tool has sunk in the milk.

9. How do bees benefit plants?

10. Write down the first of the 4F^s.

11. In which way are muscles important in the body?

12. Name any one edible fungus.

13. Give one way of caring for drums as musical instruments.

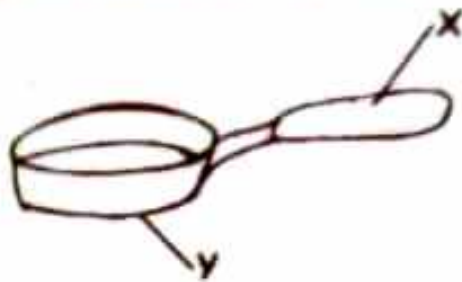
14. State any one characteristic of images formed by plane mirrors.

15. Give one reason why bees swarm.

16. How can incest be controlled at home?

17. When does a land breeze take place?

The diagram below is of a frying pan. Use it to answer question 18

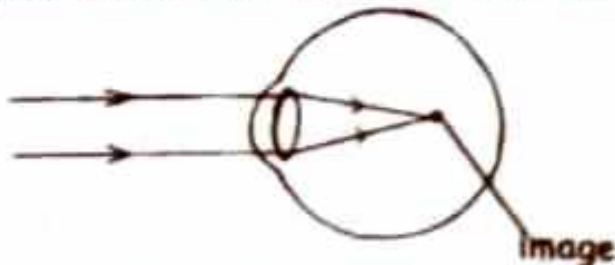


18. Name the metal used to make part Y.
19. Why do some farmers prefer keeping local breeds of cattle to exotic ones?
20. Why are traffic lights put on busy roads?
21. Give the role of the gall bladder in the digestive system.
22. Give way of preventing drug poisoning at home.
23. Of what importance are trees planted in the compound?
24. Which gas occupies the least percentage in the atmosphere?
25. Give one activity which involves the use of filtration at home.

26. State one importance of family planning.

27. Why is it not easy to castrate a male pig with a burdizzo?

The diagram below show an eye defect. Use it to answer question 28.



28. How is the above defect corrected?

29. Of what disadvantage is seed dispersal to a crop farmer?

30. What happens to lungs when breathing in?

31. Name the deficiency disease caused due to shortage of vitamin C in body.

32. Why should every boarding school have fire extinguishers?

33. Name the addictive drug in tobacco.

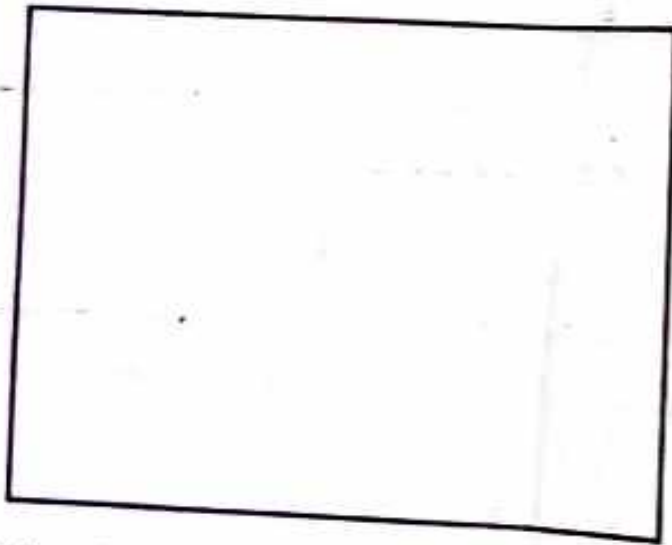
34. How are dry banana leaves useful in promoting hygiene of ordinary pit latrine?

35. Name any one type of vaccine.

36. State any one importance of friction in our daily activities.

37. How are insects and arachnids different in the way they breathe?

38. In the space provided below, draw a body organ that filters blood.



39. Why should children suffering from measles be isolated?

40. Which component of blood distributes heat in the body?

SECTION: B

41. (a) Name any two non-living renewable resources.

(i) _____

(ii) _____

(b) Give two ways of conserving non-renewable resources.

(i) _____

(ii) _____

42. (a) State two reasons why food should be cooked.

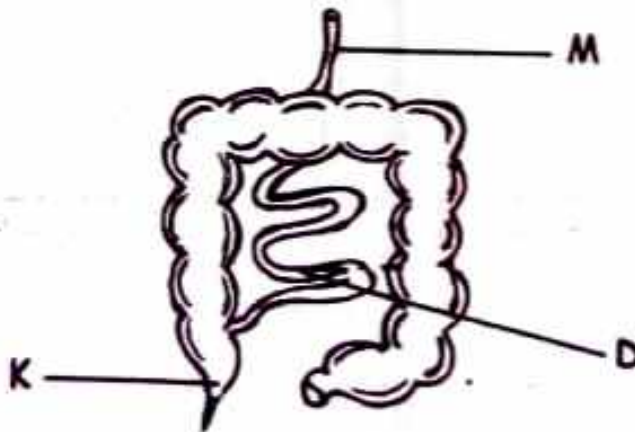
(i) _____

(ii) _____

(b) Give one way of preparing food.

(c) Why should food be preserved?

3. Below is a part of digestive system. Use it to answer the questions that follow.



(a) Name the part marked with letter M.

(b) Which disease affects the part marked K?

(c) Give two ways in which part "D" is able to carryout its function.

(i) _____

(ii) _____

44. Match the vertebrates in list A with their groups in list B.

List A

List B

bat	amphibian
kite	reptile
turtle	mammal
newt	bird

(i) bat _____

(ii) kite _____

(iii) turtle _____

(iv) newt _____

45. (a) Name one device that changes electric energy to sound energy.

(b) How is electricity useful at home?

(c) Give two reasons why electric wires covered with rubber.

(i) _____

(ii) _____

46. (a) State two ways in which landslides affect the environment.

(i) _____

(ii) _____

(b) Give one way of controlling each of the following natural changes in the environment.

(i) floods

(ii) drought

47. (a) Name one tuber crop with erect stem.

(b) Give one way of harvesting tuber crops.

(c) How does sun drying preserve sliced cassava?

(d) Give one proper way of storing dried cassava safely.

48. (a) Give two causes of sickness at home.

(i) _____

(ii) _____

(b) State two ways of controlling common sickness at home.

(i) _____

(ii) _____

49. (a) In which two ways do trees benefit crops growing together in the garden?

(i) _____

(ii) _____

48. The diagram below is of distillation process. Use it to answer questions.



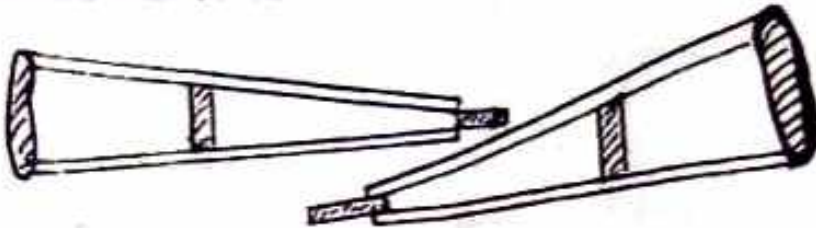
- (a) Identify the processes labeled;
- i) R: _____
- ii) L: _____
- (b) How does the heat from the source reach the crude?
- _____
- _____
- (c) Name the substance labeled M.
- _____
49. (a) Write the meaning of the following terms in sheep rearing.
- (i) Mutton: _____
- (ii) Ewe: _____
- (iii) Docking: _____
- (iv) Shearing: _____
50. (a) What is the function of testicles in a male reproductive system?
- _____
- _____
- (b) Give any two diseases of reproductive system.
- i) _____
- ii) _____
- (c) What is the function of the testes?

- (b) Mention two methods of harvesting trees that are friendly to the environment.

(i) _____

(ii) _____

50. Below is a diagram showing First Aid equipment. Use it to answer the questions that follow.



- (a) Identify the equipment shown above.

- (b) How are the above equipment important to a casualty?

- (c) Which injury requires the use of the above equipment?

- (d) Of what importance is a First Aid to a casualty?

51. (a) Give an example of each of the following types of bones.

(i) long bone _____

(ii) irregular shaped bone _____

- (b) Which mineral salt is responsible for proper growth of bones?

- (c) How is the human skeleton important to circulatory system?

52. (a) State any two ways bacteria can be useful.

(i) _____

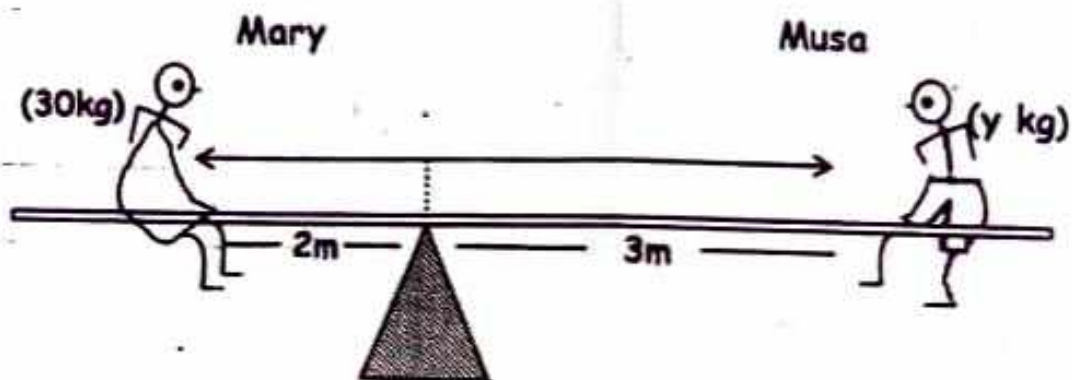
(ii) _____

(b) In which two ways can bacteria be harmful to man?

(i) _____

(ii) _____

53. Below is a diagram showing children playing on a machine. Use it to answer questions that follow.



(a) Which type of simple machine is shown above?

(b) How far is Musa from Mary?

(c) Calculate the weight of Musa.

54. (a) Give two exotic breeds of chicken kept for egg production.

(i) _____

(ii) _____

(b) Identify one factor that can lower egg production on a poultry farm.

(c) How does eating eggs control kwashiorkor in children?

55. (a) Why should we keep our bodies clean?

(b) Give one item used to clean the body.

(c) State two activities we do to keep our bodies clean.

(i) _____

(ii) _____

-12-

END