

## THE SIPRO MID - TERM III EXAMINATIONS 2023

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY FIVE

DURATION : 2 hours 15 minutes

Name: \_\_\_\_\_

School: \_\_\_\_\_

District: \_\_\_\_\_

### READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 40 questions (40 Marks)
3. Section B has 15 questions (60 Marks)
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:

"FOR EXAMINER'S USE ONLY"

### For Examiner's Use Only

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Total		

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**SECTION A : 40 MARKS**

Questions 1 to 40 carry one mark each.

1. Name the main natural source of heat in the environment.
2. State **one** accident that can lead to lameness in people.
3. How useful are the hands to people?
4. Mention **one** place in the environment where houseflies lay their eggs.
5. Give **one** way bacteria are useful to drug manufacturers.

The diagram below is of a first aid kit. Study and use it to answer question 6.



6. Give **one** use of the above tool in giving first aid to casualties.
7. State any **one** type of chickens reared in Uganda.
8. Name the disease in rabbits that is characterised with having drooping ears with wounds.
9. What is the importance of a weighing scale to a shopkeeper?
10. Why are families advised to feed the members on a balanced diet?
11. What type of family has the mother, father and their biological children?
12. Name the garden tool used to cut big trees.
13. What name is given to larvae of bees?



14. Give **one** way crop farmers can increase crop production.

15. State **one** danger of plastic and glass materials to the soil.

16. Why should a school have a Young Farmers Club?

The diagram below is of a thermos flask. Study and use it to answer question 17.



17. How does part K reduce heat loss or gain?

18. How does the behaviour of a leaf differ from that of a stone when placed in a basin full of water?

19. Name any **one** diarrhoeal disease that affects the intestines.

20. How do humps on the road help in the control of accidents?

21. Mention any **one** example of a harmful fungus.

22. How does filtration help in preparing fruit juice?

23. Give any **one** way of ensuring cleanliness in a classroom.

24. Why does sand soil have the highest drainage capacity?



25. Give any one cause of poisoning among children in homes.

The diagram below is of a rain gauge. Study and use it to answer question 26.



26. Why is the measuring cylinder in the rain gauge above marked in millimetres?
27. What is the importance of soap during bathing?
28. Name the best food for babies below one year.
29. Why should rabbits be vaccinated regularly?
30. State the importance of sweeping away stagnant water from our homestead.
31. Which body organ is responsible for pumping blood to other body parts?
32. State the importance of thinning crops in the garden.
33. Which method of heat transfer enables crop farmers to dry their harvested crops?
34. Which element of PHC ensures safety of a pregnant mother?
35. How do tapeworms enter our body?
36. Give one way you can care for potted plants in the school compound.
37. State one disadvantage of broadcasting method of planting seeds.



38. What term refers to the amount of space occupied by an object?

39. Name any **one** type of bees found in a beehive.

40. Give any **one** danger caused by termites in a crop garden.

### SECTION B : 60 MARKS

Questions 41 to 55 carry **four** marks each.

41. a) Mention any **two** examples of liquid fuels used at home.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give **two** ways of managing fire outbreaks at home.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

42. a) Give any **two** examples of root tubers.

(i) \_\_\_\_\_

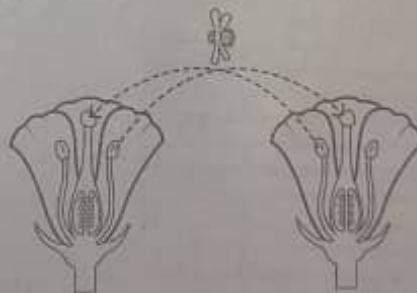
(ii) \_\_\_\_\_

(b) State any **two** ways of harvesting root tuber crops.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

43. The diagram below shows a type of pollination. Study and use it to answer the questions that follow.



(a) Identify the type of pollination illustrated above.

(b) Give **two** examples of agents of pollination.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) How is pollination useful to plants?



48. a) Give **one** use of a beak to a bird.

(b) What general name is given to the feeds given to chickens?

(c) Give any **two** causes of poultry vices in a poultry farm.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

49. a) Name any **two** examples of fruit trees found in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give **two** ways children can care for trees in the school compound.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

50. a) State any **two** ways water is used at home.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give **two** items used to collect rainwater.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

51. The diagram below is of a storage facility for crop farmers. Study it to answer the questions that follow.



(a) Name the storage facility drawn above.

(b) Mention any **two** examples of seeds kept in the above facility.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) How are structures marked with letter P important in the above facility?





44. a) Name any **two** examples of vectors in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give any **two** examples of diseases spread by vectors.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

45. a) State any **two** characteristics of chemical changes.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Apart from chemical changes, give any **two** types of changes in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

46. a) How is ringworm spread among people?

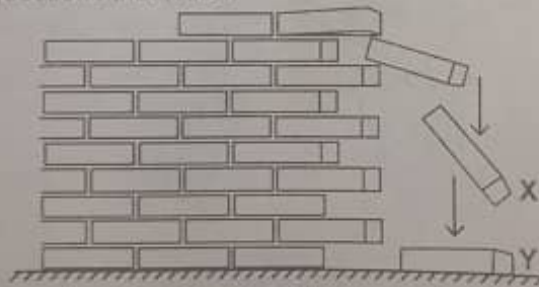
(b) Apart from ringworm, give any other **two** skin diseases.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) How can such diseases mentioned above be controlled among people?

47. The diagram below shows a brick falling from a building. Study and use it to answer the questions that follow.



(a) Name the type of energy possessed by the brick at X and Y.

(i) X \_\_\_\_\_

(ii) Y \_\_\_\_\_

(b) Name the force that enabled the brick to fall down.

(c) Name the energy change that took place when the brick landed on the ground.



52. a) Mention **two** examples of domestic animals.

(i) \_\_\_\_\_

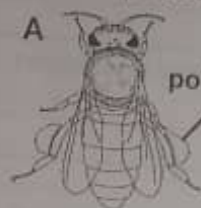
(ii) \_\_\_\_\_

(b) Give **two** products got from domestic animals.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

53. The diagrams below show the three types of bees. Study and use them to answer the questions that follow.



(a) Name the type of bees labelled A and C.

(i) A: \_\_\_\_\_

(ii) C: \_\_\_\_\_

(b) How is the type of bee marked A different from bee marked C in terms of body structure?

(c) State the similarity between the type of bee marked A and B

54. a) State any **two** activities crop farmers carry out in their gardens.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give any **two** problems crop farmers face in the garden.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

55. Match the following activities in list X with their meaning in list Y.

X

docking  
hoof trimming  
deworming  
shearing

(i) docking

(ii) hoof trimming

(iii) deworming

(iv) shearing

Y

- giving drugs to kill endoparasites in animals  
- removing overgrown wool from a sheep  
- cutting short of over grown hooves  
- shortening the sheep's tail

