

# SIR APOLLO KAGGWA / CITY PARENTS' SCHOOLS

## P.7 HUB SET 4 TERM II 2023

### INTEGRATED SCIENCE

NAME: \_\_\_\_\_

STREAM: \_\_\_\_\_ Date: \_\_\_\_\_

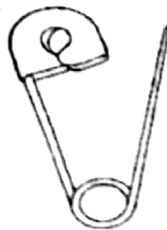
SCHOOL: \_\_\_\_\_

#### **SECTION A: 40 MARKS**

Questions **1** to **40** carry **one** mark each.

1. Name the poultry vice controlled through debeaking of birds.  
\_\_\_\_\_
2. Which element of Primary Health Care provides us with knowledge on how to maintain good health?  
\_\_\_\_\_
3. Give a reason why clay soil is always water logged during rainy season.  
\_\_\_\_\_
4. What advice would you give to a mother whose baby is suffering from scurvy?  
\_\_\_\_\_

The diagram below is of a tool found in a first aid box. Study and use it to answer questions **5** and **6**.



5. Name the first aid tool drawn above.  
\_\_\_\_\_
6. Give the use of the above tool in giving first aid.  
\_\_\_\_\_
7. How does mulching control the growth of weeds?  
\_\_\_\_\_

8. State the digestive disorder caused by eating hurriedly.

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9. Why are the handles of iron boxes made of wood?

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10. Give a reason why the elderly should be fed frequently.

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11. State one way iron sheets are protected from rusting.

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12. Give the use of cones to a pine tree.

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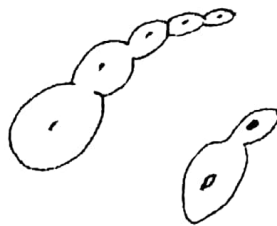
13. To which group of worms does a tapeworm belong?

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14. Why do people wear raincoats or thick clothes during rainy weather?

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The diagram below shows a method of reproduction in a fungus. Study and use it to answer questions **15** and **16**.



15. Name the method of reproduction shown above.

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16. Identify the fungus that reproduces as above.

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17. Why do electric wires appear sagging on sunny days?

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18. Give a reason why flush toilets are not commonly found in rural areas?

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19. State the effect of plasmodia to the human health.

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20. Apart from charcoal, give any one example of a wood fuel commonly used at home.

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21. What is the disadvantage of using fluorine and potassium permanganate in treating water for drinking?

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22. State one functional difference between arteries and veins.

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23. Apart from nectar, give any one characteristic of insect pollinated flowers.

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24. How do lungs get rid of Carbon dioxide from the body?

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25. Okello's cow was seen limping with swollen hooves and pus discharge. What disease is the cow suffering from?

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26. Give one way of reducing bad smell in a conventional pit latrine.

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27. Apart from brain damage, state any one effect of alcoholism to an individual.

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28. Give any one way of controlling the spread of intestinal communicable diseases among people.

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29. State the basic unit for measuring mass.

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30. State the type of soil erosion which may cause landslides in hilly areas.

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31. Give any one activity a cattle farmer can do to care for a lactating cow.

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32. Apart from the moist skin, what other structure do adult frogs use for breathing?

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33. Mention any one perennial crop besides coffee.

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34. How does reusing plastic waste containers in the environment prevent the spread of malaria?

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The diagram below shows a dry cell. Use it to answer questions **35** and **36**.



35. What form of energy is produced in the above cell if wires are properly connected to its ends and a bulb?

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36. State any one item at home that uses the above cell.

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37. State any one cause of near drowning in a community.

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38. In which one way is child – to – child an important programme?

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39. Give any one example of which is a cereal crop.

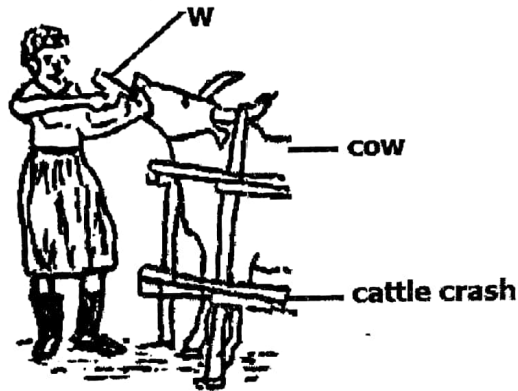
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40. State any one method of storing sound.

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### SECTION B (60 MARKS)

41. The diagram below shows one of the routine practices on a cattle farm. Study and use it to answer questions that follow.



- a) Name the tool marked with letter **W**.  
\_\_\_\_\_
- b) Give the use of the tool **W** in cattle management.  
\_\_\_\_\_
- c) Apart from the above practice, give two other ways of caring for cattle.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
42. Where do the following plants store their food?  
a) sweet potatoes \_\_\_\_\_  
b) irish potatoes \_\_\_\_\_  
c) sugarcanes \_\_\_\_\_  
d) onions \_\_\_\_\_
43. A school health committee organized an assembly to check on the children's cleanliness.  
a) What name is given to such an assembly?  
\_\_\_\_\_
- b) Mention any two activities done in such assemblies.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
- c) Mention one benefit of conducting such assemblies.  
\_\_\_\_\_

44. a) What is brooding as used in poultry keeping?

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b) Give any two materials that must be provided in a brooder.

- i) 

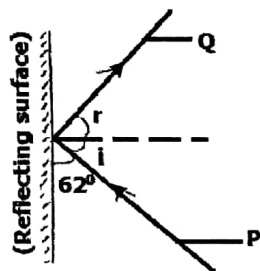
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- ii) 

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c) State any one disadvantage of natural brooding.

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45. The diagram below shows regular reflection of light. Study and use it to answer questions that follow.



a) Name ray **Q**.

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b) Calculate the size of angle **r**. **(2 marks)**

c) State any one law of reflection.

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46. Below is a list of animals. Study and use it to answer the questions that follow.

Rats, man, sunbirds, chimpanzee
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a) Mention the two animals which belong to the primates.

- i) 

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- ii) 

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b) Why are rats grouped as mammals?

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c) How are rats and sunbirds similar in the way they reproduce?

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47. a) What is a foreign body?

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b) State any one foreign body that enters our eyes.

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c) Give the recommended first aid for a foreign body in the eyes.

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d) Why is it dangerous to use an object with sharp edges to remove a foreign body from the eye?

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48. a) What type of energy is possessed by the following objects?

i) a clock on a table 

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ii) a moving car 

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b) Give two forms of energy produced when a carpenter drives a nail into a wooden material using a hammer.

i) 

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ii) 

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49. The table below shows the present and missing conditions for seed germination in four test tubes A – D. The results were generated after four days as follows.

Conditions	TEST TUBES			
	A	B	C	D
Water	x	✓	✓	✓
Oxygen	✓	x	✓	✓
Warmth	✓	✓	✓	x
Germinated	x	x	✓	x

a) In which test tube did seeds germinate?

\_\_\_\_\_

b) Give a reason to support your answer in (a) above.

\_\_\_\_\_

\_\_\_\_\_

c) Give the main reason why seeds failed to germinate in test tubes;

i) **A** \_\_\_\_\_

ii) **D** \_\_\_\_\_

50. a) Name the part of a human kidney that performs the following functions;

i) re-absorbs useful materials \_\_\_\_\_

ii) filters blood \_\_\_\_\_

b) Name the water borne disease that affects the human kidney.

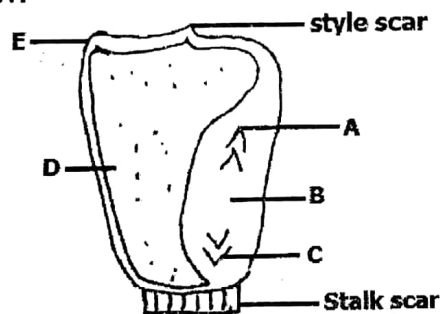
\_\_\_\_\_

c) State any one way in which kidneys can be cared for.

\_\_\_\_\_

\_\_\_\_\_

51. The diagram below shows a maize grain. study and use it to answer questions that follow.



a) Which letter represents the part that absorbs and supplies food to the embryo?

\_\_\_\_\_

b) State the function of parts labelled **A** and **C**.

i) **A** \_\_\_\_\_

ii) **C** \_\_\_\_\_

c) What type of germination does the above grain undergo?

\_\_\_\_\_



52. Mary's baby has the following signs and symptoms; **Old man's face, very underweight and ever hungry.**

a) What deficiency disease is the baby suffering from?

\_\_\_\_\_

b) Name any two food sources recommended for this baby.

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

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

c) Why should vitamins be included in our daily meals?

\_\_\_\_\_

53. Below is **List A** containing disease vectors and **B** diseases they spread but in wrong order. Match them correctly and write in the spaces provided below.

LIST A	LIST B
Tick	River blindness
Rat fleas	Sleeping sickness
Simulium fly	Typhus fever
Tsetsefly	Bubonic plague

a) Tick \_\_\_\_\_

b) Rat fleas \_\_\_\_\_

c) Simulium fly \_\_\_\_\_

d) Tsetse fly \_\_\_\_\_

54. a) State the role played by the following in a water cycle;

i) plants \_\_\_\_\_

ii) waterbody \_\_\_\_\_

b) Give any one activity done at home which is similar to a water cycle.

\_\_\_\_\_

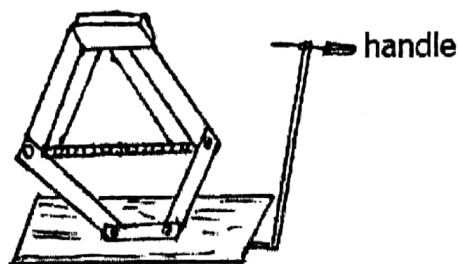
\_\_\_\_\_

c) State one way in which rainfall supports plant growth.

\_\_\_\_\_

\_\_\_\_\_

55. The diagram below shows a simple machine. Study and use it to answer questions that follow.



- a) To which type of simple machines does the machine above belong?
- \_\_\_\_\_
- \_\_\_\_\_
- b) State the use of the simple machine above.
- \_\_\_\_\_
- \_\_\_\_\_
- c) Give two other examples of machines that belong to the above type of simple machines.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_

**THE END**