

THE SIPRO BEGINNING OF TERM III EXAMINATIONS 2023

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY SIX

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
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Page 2		
Page 3		
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Page 5		
Page 6		
Page 7		
Total		

Please turn over



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SECTION A: 40 MARKS

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

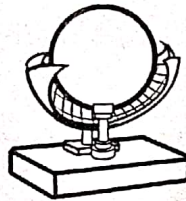
1. Name the main product got from Jersey and Friesian cows.

2. How does the nose prevent a P. 6 child from eating a stale fish?

3. State any **one** factor that can lead to egg eating among poultry.

4. Mention any **one** way of conserving plants in the environment.

The diagram below is of a weather instrument. Study and use it to answer questions 5 and 6.



5. Name the above drawn weather instrument.

6. State the weather element detected by the above weather instrument.

7. How are cones useful to a coniferous plant?

8. Give the benefit of a rabbitary to a crop farmer.

9. State **one** similarity in reproduction between a turkey and a dog.

10. Name the best nutritious food for a newly born baby.

11. How is keeping of goats useful to a factory that produces leather bags and belts?

12. Give **one** use of the sun in the water cycle.

13. How are spiders different from houseflies in the way they breathe?

14. Give **one** reason why it is necessary to filter water before washing clothes.



15. State the electronic method used to preserve fresh fruit.
16. Name the component in a clean home used for proper disposal of human waste.
17. Which term is used to mean the total amount of space occupied by an object?
18. Give any **one** way coal can be useful to an industry.

The diagram below is of an artificial vegetative propagation method. Study and use it to answer questions 19 and 20.

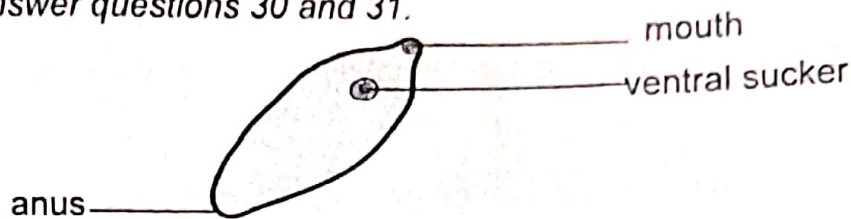


19. Name the above drawn artificial vegetative propagation method.
20. Why is the above branch bent towards the soil?
21. State any **one** activity one can do to keep ears clean.
22. Apart from a toothbrush, name **one** other item used to promote oral hygiene.
23. How is East Coast Fever similar to Redwater disease in the way they are spread among cattle?
24. How are bacteria useful to a milk processing factory?
25. Name any **one** insect that pollinates flowers at night.
26. How does boiling of drinking water control the spread of diarrhoeal diseases among infants?
27. Why does a balloon burst when left in sunshine for a long time?
28. Mention any **one** use of humus in the soil.



29. How best can a honey harvester protect his fingers and hands from being stung by bees?

The diagram below is of an internal parasite in humans. Study and use it to answer questions 30 and 31.



30. Name the above internal parasite.

31. How best can the above parasite be controlled among infants?

32. Name **one** bacterial immunisable disease that attacks both people and cattle.

33. How are spores useful to a moss plant?

34. Name the accident whose First Aid is pinching the soft part of the nose.

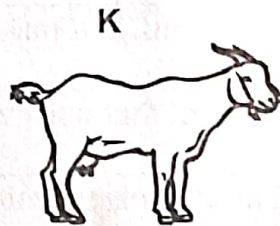
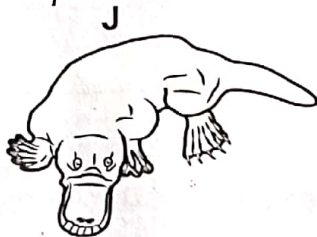
35. How does burning of rubbish control houseflies in the community?

36. Why is sublimation of naphthalene balls regarded as a physical change?

37. State any **one** way of controlling rats in a sweet potato garden.

38. Give **one** way conduction of heat can be useful in our daily life.

The diagrams below are of two mammals. Study and use them to answer questions 39 and 40.



39. To which group of mammals does animal K belong?

40. How is animal J different from animal K in the way they reproduce?



SECTION B: 60 MARKS

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

41. (a) Name the **two** methods of soil formation.

(i) _____

(ii) _____

(b) State any **one** cause of soil exhaustion.

(c) Give any **one** method used to restore soil fertility in a school garden.

42. (a) State any **two** factors considered by health workers before administering vaccines to them.

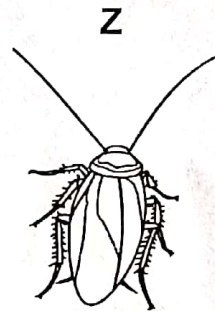
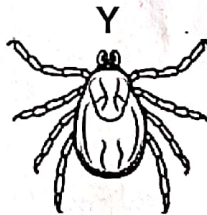
(i) _____

(ii) _____

(b) Which type of vaccines are made of living germs?

(c) How do vaccines boost the body immunity?

43. The diagrams below are of three common vectors. Study and use them to answer the questions that follow.



(a) Name the vectors marked X and Y;

(i) X _____

(ii) Y _____

(b) How does vector Z contribute to lameness and paralysis of limbs in infants?

(c) How do rats and cats increase the infestation of vector X in infants?

44. (a) Name **one** group of vulnerable people mostly cared for in the following elements of P.H.C;

(i) maternal and child health care: _____

(ii) immunisation : _____



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(b) How does fencing of water sources promote the supply of clean water in a given community.

(c) Apart from fencing, give **one** other activity a P.6 child can do to keep an open water source clean.

45. (a) State any **one** reason why farmers carry out the following practices on a cattle farm;

(i) dehorning ; _____

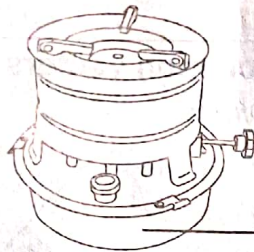
(ii) deworming; _____

(b) Mention any two harmful practices done to cattle during transportation to the market

(i) _____

(ii) _____

46. The diagram below is of a device used at home. Study and use it to answer the questions that follow.



R

(a) Name the device drawn above.

(b) Give the function of part marked with Letter R on the diagram.

(c) Which fuel is used in the device drawn above?

(d) Why is the use of the device above unfriendly to the environment?

47. (a) Name the classes of food whose chemical digestion begins in the mouth and stomach;

(i) mouth _____

(ii) stomach _____

(b) Mention the organ that rolls food in the mouth.

(c) Which blood vessel transports blood with nutrients from the ileum to the liver?



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48. (a) State **two** uses of moving air to people.

(i) _____

(ii) _____

(b) How can moving air become a danger to human health?

(c) How does planting of trees control the dangers of wind?

49. (a) Give the meaning of the term an accident.

(b) State any **two** qualities of a good first aider.

(i) _____

(ii) _____

(c) How does the use of a bandage help in the control of anaemia in casualties with deep cuts?

50. Match the changes in list **A** to the types of changes in list **B** below.

A

melting of candle wax

fermentation of sugary juices

germination

changes in seasons

(i) melting of candle wax _____

(ii) fermentation of sugary juices _____

(iii) germination _____

(iv) changes in seasons _____

B

natural change

chemical change

physical change

biological change.

51. The diagrams below are of common items made from local materials.

Study and use them to answer the questions that follow.

M



N



(a) Name any **one** local material used to make items marked **M** and **N**.

(i) **M** _____

(ii) **N** _____

(b) State any **one** use of item marked **M** in a home.



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(c) Why are people replacing item marked N with synthetic ropes?

52. (a) State any **two** reasons why people are encouraged to wash clothes.

(i) _____

(ii) _____

(b) Mention any **two** dangers of wearing dirty clothes.

(i) _____

(ii) _____

53. (a) Mention any **two** examples of manure.

(i) _____

(ii) _____

(b) Give **two** advantages of using natural fertilizers.

(i) _____

(ii) _____

54. (a) Name **two** sources of food for people in the environment.

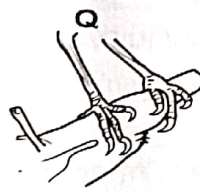
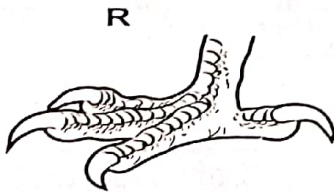
(i) _____

(ii) _____

(b) Give any **one** way people get food in the environment.

(c) How are foods rich in proteins useful to the elderly people?

55. The diagrams below are of two feet of different groups of birds. Study and use them to answer the questions that follow.



(a) Name the group of birds with the type of foot marked with letter R and letter Q.

(i) R _____

(ii) Q _____

(b) Name **one** example of a bird with a foot marked with letter R.

(c) Give **one** other feature used to classify birds apart from using the feet.



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