

THE SIPRO END OF TERM I EXAMINATIONS 2023

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index No.	Random No.						Personal No.		

Candidate's Name: _____

Candidate's signature: _____

School Random No. _____

District ID: _____

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 9		
Total		

Please turn over



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SECTION A: 40 MARKS

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

1. To which system of the body does the pancreas and stomach belong?

2. Which group of non-flowering plants reproduces by means of seeds?

3. How does regular painting control rusting in metallic garden tools?

4. Give any **one** danger of external parasites to rabbits.

5. State the role of anthers on a male reproductive part of a flower.

The diagram below is of immunisation sites on a baby's body. Study and use it to answer questions 6 and 7.



6. Name the vaccine administered at site B.

7. At what age does the baby receive the first dose of the vaccine administered through site A?

8. How is the skeleton of a human being similar to that of a goat?

9. Give **one** reason why people cooking food pour water on burning firewood after cooking.



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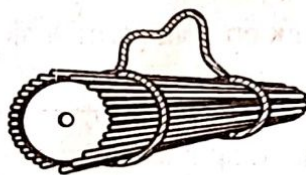
P.7 INTEGRATED SCIENCE END OF TERM I EXAMINATIONS 2023

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS.

1

10. Name **one** part in the mouth cleaned by regular brushing.
- _____
11. State **one** way rats and squirrels benefit from digging burrows in soil.
- _____
12. Why are pregnant mothers grouped under vulnerable groups of people?
- _____
13. Name the body organ mostly attacked by measles.
- _____
14. Give **one** way a family benefits from using family planning methods.
- _____
15. State the main role played by the pinna on the human ear.
- _____
16. State any **one** way wind is useful to a crop farmer.
- _____
17. Why are sick people advised to eat food rich in proteins?
- _____

The diagram below shows a tool used by a bee keeper. Use it to answer question 18.



18. How is the tool shown above useful to a bee keeper?
- _____
19. How does uncontrolled bush burning lead to air pollution?
- _____
20. Name the skeletal disease that causes paralysis of limbs and lameness.
- _____
21. Give **one** sign of poor sanitation in a school compound.
- _____



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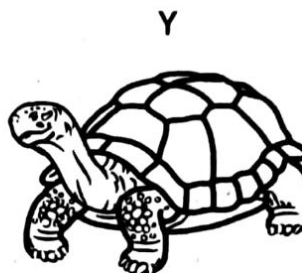
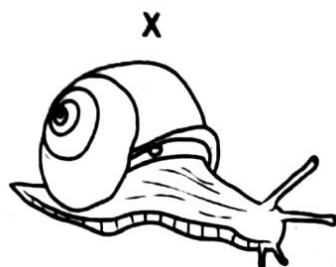
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2

22. How does the use of crop rotation maintain soil fertility?

23. Which type of root system develops in monocotyledonous plants?

The diagrams below are of two common animals in the environment. Study and use them to answer questions 24 and 25.



24. How is animal X different from animal Y in terms of body structure?

25. State the similarity between the animals drawn above in terms of reproduction.

26. State the main role played by a cork on a vacuum flask.

27. How are bee enemies a danger to an apiarist?

28. Name one physical change caused as a result of heat loss.

29. Which part of the respiratory system closes the trachea briefly as one swallows food?

30. How does over cultivation lead to soil infertility?

31. Name the component of air used to preserve bottled drinks.



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3

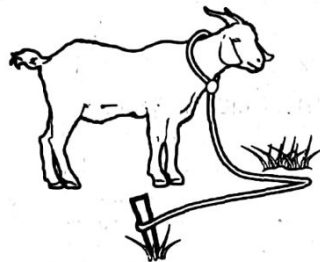
32. Give the reason why we should be careful when crossing the road.

33. Why does a cactus plant develop thorny leaves?

34. How are canine teeth useful to a P.7 candidate eating meat?

35. State any **one** importance of regular bathing in the promotion of personal hygiene.

The diagram below shows a goat grazing. Study and use it to answer questions 36 and 37.



36. Identify the method of grazing goats shown in the diagram above.

37. Give **one** disadvantage of using the above method of grazing goats.

38. Mention **one** method used for separating rice husks from rice at home.

39. How do blood platelets prevent a person from becoming anaemic in case of a deep cut on the skin?

40. State any **one** activity done by farmers to prevent rotting of tomato fruit in a garden.



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4

SECTION B: 60 MARKS

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

41. a) State any **two** industrial uses of coal, as a resource.

- i) _____
- ii) _____

b) Mention any **one** way of conserving coal as a resource.

- i) _____
- ii) _____

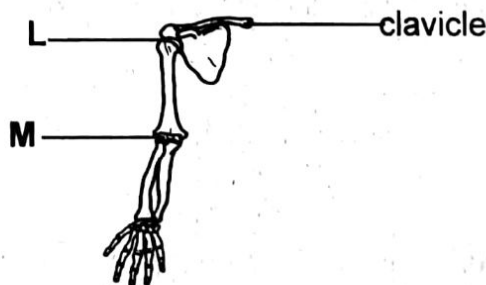
42. a) Name the types of cattle mainly kept for;

- i) doing work _____
- ii) meat production _____

b) State the importance of each of the following steps done before milking a cow;

- i) washing milking cans: _____
- ii) washing teats with warm water _____

43. The diagram below shows joints in the human arm. Study and use it to answer the questions that follow.



a) Name the types of movable joints labelled L and M.

- i) L _____ (ii) M _____

b) State the main difference between the movement in joints L and M.

c) How is a good posture useful to one's skeletal muscular system?



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44. a) State the importance of each of the following parts on a water borne toilet:

i) water tank _____

ii) bowel _____

b) Give any **two** ways of maintaining the cleanliness of a water borne toilet.

i) _____

ii) _____

45. a) Give any **two** examples of useful bacteria.

i) _____

ii) _____

b) Give **two** uses of bacteria to a crop farmer.

i) _____

ii) _____

46. a) Name **two** examples of vectors that spread diarrhoeal diseases.

i) _____

ii) _____

b) State any **two** methods used to control the above mentioned vectors.

i) _____

ii) _____

47. a) Mention any **two** conditions under which children can be vulnerable.

i) _____

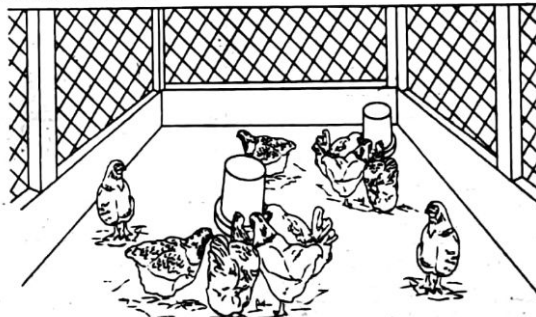
ii) _____

b) Give **two** ways of caring for children in vulnerable conditions.

i) _____

ii) _____

48. The diagram below shows a system of keeping poultry. Study and use it to answer the questions that follow.



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6

a) Identify the system of keeping poultry shown in the diagram above.

b) Give **two** advantages of the above system of keeping poultry.

i) _____

ii) _____

c) Name any **one** example of material put on the floor in the above drawn system.

49. a) Mention any **two** crop growing practices done during the dry season.

i) _____

ii) _____

b) State **two** dangers of prolonged dry seasons to crop farmers.

i) _____

ii) _____

50. a) Name the part of the female reproductive system where the following processes occur;

i) conception _____

ii) implantation _____

b) Name **one** female sex hormone that controls the secondary sex characteristics in adolescent girls.

c) How does regular washing of genital organs control diseases of the reproductive system?



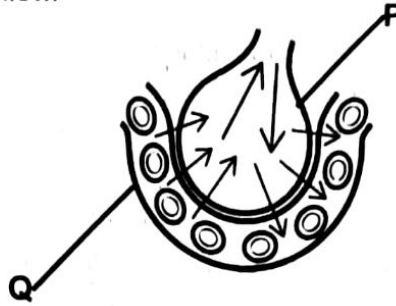
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51. The diagram below shows parts of the respiratory system. Study and use it to answer the questions that follow.



b) Name parts marked P and Q.

i) P _____

ii) Q _____

c) Give the function and adaptation of part marked P to its function.

i) function _____

ii) adaptation _____

52. Match the parts of a flowering plant in list A to their uses in list B.

List A

root hairs

leaves

flowers

axillary buds

List B

grow into new branches and flowers

help in reproduction

absorb water and mineral salts

make food for a plant.

i) root hairs _____

ii) leaves _____

iii) flowers _____

iv) axillary buds _____



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8

53. a) State any **two** activities school children can do to promote the cleanliness of an open water source.

i) _____

ii) _____

b) Mention **two** dangers of grazing domestic animals in a water source.

i) _____

ii) _____

54. a) Name any **two** examples of crafts made from palm leaves.

i) _____

ii) _____

b) Apart from palm leaves, mention **one** other example of a plant fibre.

c) Give **one** way of caring for crafts made from plant fibres.

55. The diagram below is of a common activity done when cleaning clothes.

Use it to answer the questions that follow.



a) Name the above activity as applied in cleaning clothes.

b) State the method of heat transfer used in the above activity.

c) How is the above activity useful in the control of skin diseases?

d) Apart from the above activity, mention **one** other activity done during the cleaning of clothes.

