

THE SIPRO END OF TERM I EXAMINATIONS - 2024

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Random No.						Personal No.		
Index No.								

Candidate's Name: _____

Candidate's Signature: _____

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		
Page 8		
Page 9		
Total		

Please turn over



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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. State one method of preparing cassava for food at home.

2. Name one part that forms the scolex of a tapeworm.

3. Why is it important for a crop farmer to sort seeds before planting?

4. Mention the product got from bees that helps in the control of kwashiorkor.

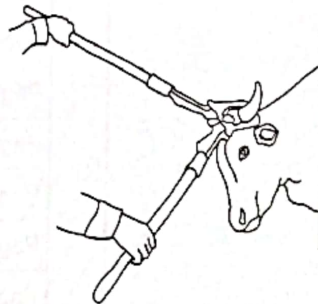
5. How does the length of the string affect the pitch of sound produced by a guitar?

6. State one advantage of using biogas over firewood for cooking food.

7. Give one way of preventing burns and scalds at school.

The diagram below shows a common practice on domestic animals.

Study and use it to answer questions 8 and 9.



8. Name the activity shown in the diagram above.

9. Why are farmers encouraged to carry out the practice shown in the diagram above regularly?

10. Write one sign of food poisoning in children.



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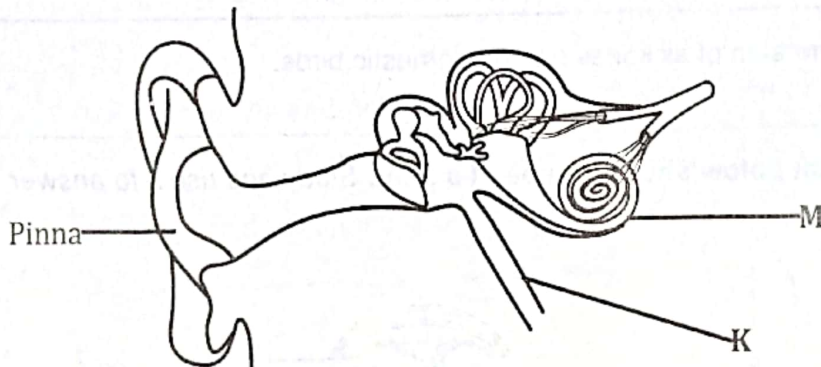
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1

11. Which digestive juice contains the enzyme that starts digestion of fats in the duodenum?
- _____
12. By which method is Hep. B vaccine administered to babies?
- _____
13. Mention **one** PIASCY message that creates awareness about the effects of HIV/AIDS.
- _____
14. How does a mango tree support the life of a passion fruit plant growing near it?
- _____
15. State **one** use of soap in promoting personal hygiene.
- _____
16. Apart from gaseous state, give **one** other state of matter that allows heat transfer by convection.
- _____

The diagram below shows a human body organ. Study and use it to answer questions 17 and 18.



17. Name the part labelled with letter **M** on the above organ.
- _____
18. State the function of part marked with letter **K**.
- _____



19. Mention any **one** role children play at home in the promotion of sanitation.

20. Write **one** disadvantage of planting seeds in the soil during the dry season.

21. How are water bodies in the environment important in rain formation?

22. Which property of magnets enables a pilot to fly an aeroplane using a magnetic compass?

23. Give **one** characteristic that makes melting of ice a physical change.

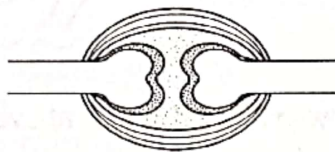
24. In which **one** way are ovaries similar to testes in their function?

25. State the importance of water during the preparation of ORS locally.

26. Where does the process of respiration take place in the human body?

27. Give any **one** sign of sickness among domestic birds.

The diagram below shows a type of a joint. Study and use it to answer question 28.



28. Identify the type of movable joint shown in the diagram above.

29. Apart from bites, give **one** other way vectors spread germs.



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3

30. Name the group of dicotyledonous plants that have root nodules.

31. How do jackets and sweaters keep people warm during cold weather?

32. Give any **one** material used for making farm yard manure.

33. State **one** danger of floods to crop farmers.

34. How do objects that are less dense behave in water?

35. Give **one** advantage of using electricity for cooking.

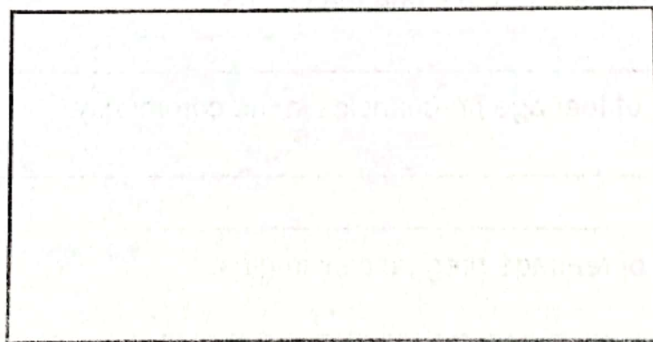
36. How is the use of valves in the veins similar to that of the kink in the clinical thermometer?

37. Name the component of air plants used to make proteins.

38. Why is lightning seen before thunder is heard during the rainy day?

39. What force enables water droplets to stick on the walls of glass?

40. In the space below, draw the beak of a nectar sucking bird.



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Name **one** example of harmful bacteria that cause diseases to people.

b) Apart from causing diseases, give **two** other ways some bacteria are harmful to people.

i) _____

ii) _____

c) Give **one** way of preventing bacterial diseases in people.

42. a) Which component of air is useful for each of the following;

i) preservation of semen? _____

ii) burning of wood to ash? _____

b) State **two** processes in the environment that release carbon dioxide as a by product.

i) _____

ii) _____

43. Given the foodstuffs below;

A	B	C	D	E
Rice	Posho	Meat	Milk	Carrot

a) Which foodstuff in the table above is recommended for babies?

b) Mention the foodstuff in the table that is rich in the following;

i) Vitamin A _____

ii) proteins mainly _____

c) Which **two** foodstuffs are of the same food value?

44. a) State **two** causes of teenage pregnancies in the community.

i) _____

ii) _____

b) Write **two** effects of teenage pregnancies in girls.

i) _____

ii) _____



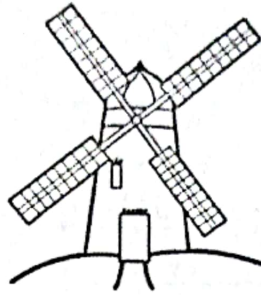
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5

45. The diagram below shows an equipment. Study and use it to answer the questions that follow.



a) Name the equipment shown above.

b) Which energy resource enables the equipment above to perform its work?

c) Give two importance of the equipment shown above.

i) _____

ii) _____

46.a) What term describes customs that forbid people from eating certain foods?

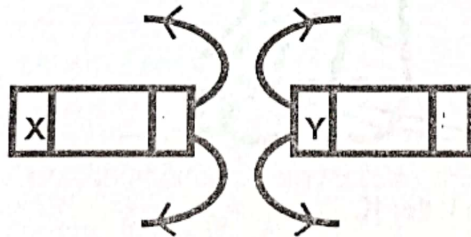
b) Mention two examples of the customs above.

i) _____

ii) _____

c) State one danger of such customs to people.

47. The diagram below shows magnets nearing each other. Study and use it to answer the questions that follow.



a) Name the poles marked with letters X and Y.

i) X _____ (ii) Y _____

b) State the reason why magnets behave in the way shown above.



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6

c) What do the arrows represent in the diagram above?

48. a) Write **two** signs of poor sanitation in a school.

i) _____

ii) _____

b) How does the absence of a rubbish pit lead to poor sanitation in a school?

c) State **one** danger of poor sanitation in a school.

49. During an experiment, water was added to a lump of soil in a container.

a) Name the component of soil that the experiment was about.

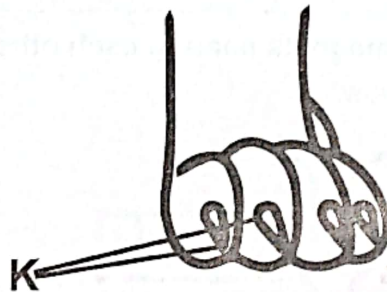
b) Write **two** uses of the component of soil named in (a) above.

i) _____

ii) _____

c) Apart from the **one** the experiment was about, name any **one** other non-living component of soil.

50. The diagram below shows the foot of a lion. Study and use it to answer the questions that follow.



a) Name the part marked with letter K.

b) How is part marked K useful in the feeding of a lion?



c) Apart from part marked with letter K, state **one** other adaptation of the above drawn foot as a lion feeds.

d) Name **one** other animal with such a foot.

51. In the table below, part E shows parts of the human skeleton. Part F shows the functions of the parts in their wrong order.

E: Parts of the skeleton	F: Functions of the parts
ligament	protects the brain
tendon	cushions a joint
skull	joins a bone to a bone
cartilage	joins a muscle to a bone

Select from the table the correct functions of the parts and write in the space provided below.

i) ligament _____

ii) tendon _____

iii) skull _____

iv) cartilage _____

52. a) State the main cause of short circuits.

b) Write **two** signs of a short circuit in an installation.

i) _____

ii) _____

c) How is a fuse similar to a switch in forms of function?



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53. a) Mention **one** farm tool used for each of the following.

i) open castration _____

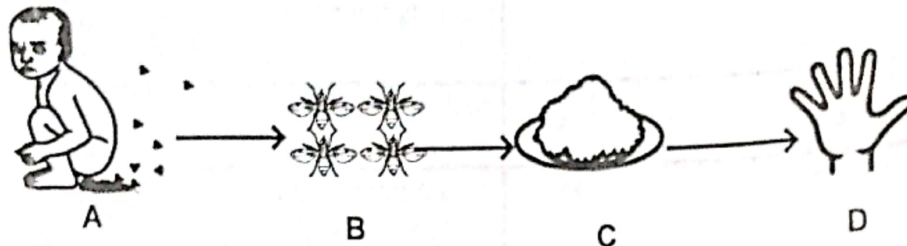
ii) closed operation _____

b) Give **two** advantages of carrying out castration on a cattle farm.

i) _____

ii) _____

54. The diagram below shows one way germs are spread. Study and use it to answer the questions that follow.



a) Name the stage of the germ path marked with letter;

i) A _____ (ii) D _____

b) Give **one** way of preventing stage C from getting germs.

c) How is stage marked B useful in the germ path drawn above?

55. a) Which component in tobacco causes addiction to smoking?

b) Give any **two** dangers of tobacco smoke to a pregnant mother.

i) _____

ii) _____

c) Mention **one** health life style that enables a P.7 pupil to avoid smoking.



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9