THE SIPRO PRE-PLE SET I 2026

PRIMARY SEVEN

INTEGRATED SCIENCE

Time Allowed: *2 Hours 15 Minutes*

Index No.	Random No.						Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

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;

Qn No	MARKS	INITIALS
1-10		
11- 20		
21- 30		
31- 40		
41- 43		
44- 46		
47 - 49		
50 -52		
53 - 55		
Total		

Please turn over

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SECTION A: 40 MARKS

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

1. Name the component of air used in the preservation of semen.

_____

2. State **one** advantage of breastfeeding to a mother.

_____

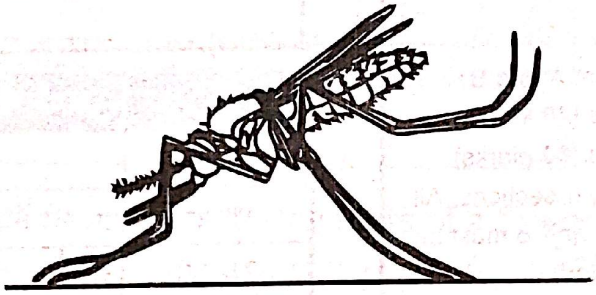
3. Give any **one** reason why people iron clothes.

_____

4. Mention any **one** characteristic of insect pollinated flowers.

_____

The diagram below shows a stage in the life cycle of a type of mosquito. *Use it to answer questions 5 and 6.*



5. Identify the disease spread by the mosquito whose adult is shown above.

_____

6. State any **one** way of controlling mosquitoes at the stage shown above.

_____

7. Name the part of the human alimentary canal where digestion ends.

_____

8. State **one** way plants reduce the rate of transpiration.

_____

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9. Give any **one** way crop farmers benefit from an apiary near their crop farm.

_____

10. State any **one** danger of alcoholism to an individual.

_____

11. Give **one** reason why shearing of sheep is done during the dry season.

_____

12. State **one** way people conserve fossil fuels.

_____

13. Give any **one** benefit of physical exercises to people.

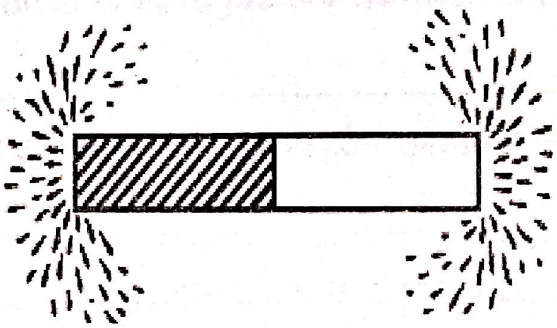
_____

14. Name the property of air that enables people to suck soda from a bottle using a straw.

_____

The diagram below shows a bar magnet placed in iron filings.

Study and use it to answer questions 15 and 16.



15. Identify the property of magnets shown in the above diagram.

_____

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16. State the property of magnets that is used in a compass to show a compass direction.

_____

17. Give the importance of including salt in Oral Rehydration Solution.

_____

18. Mention any **one** example of a food taboo in our community.

_____

19. State a reason why areas with clay soil are always waterlogged.

_____

20. Mention any **one** disorder of the muscular-skeletal system.

_____

21. State the way cage system of rearing poultry helps to control egg eating.

_____

22. Write any **one** importance of PIASCY messages to a school girl.

_____

23. State the reason why a sugarcane is not grouped under stem tubers.

_____

24. Write the meaning of the term sanitation.

_____

_____

25. Give the difference in feeding between a mushroom and a fern.

_____

_____

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26. State **one** role of the pinna during the hearing process.

_____

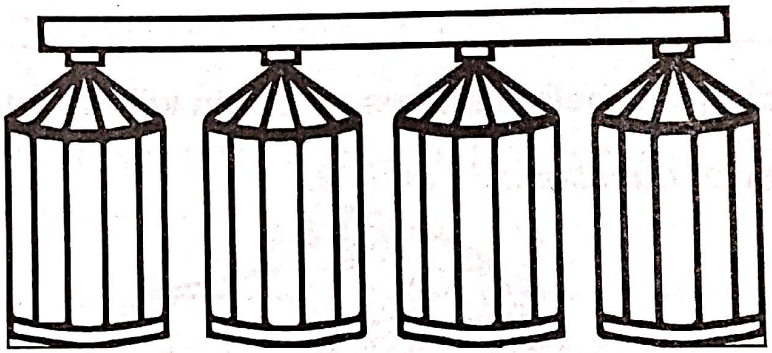
27. Mention **one** advantage of family planning to a mother.

_____

28. Name the method of heat transfer that does not require medium of transmission.

_____

The diagram below shows a farm structure. *Study and use it to answer questions 29 and 30.*



29. Identify the farm structure shown above.

_____

30. Name the farm produce that can be stored in the above structure.

_____

31. Give **one** importance of seed dispersal to plants in the environment.

_____

32. Apart from being vectors, give any **one** other danger of cockroaches in a home.

_____

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33. State **one** way in which wearing shoes helps to control hookworm infestation.

_____

34. Give **one** use of a windsock at airfields or airports.

_____

35. Mention any **one** way children save electricity at home.

_____

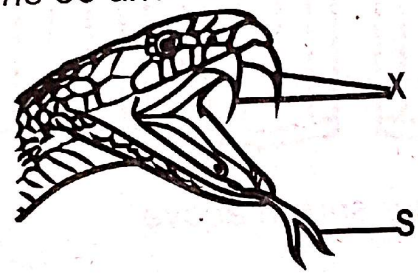
36. Give any **one** reason why we wash our hands before touching food.

_____

37. State any **one** activity carried out at school to promote sanitation.

_____

The diagram below shows a certain wild animal. *Study and use it to answer questions 38 and 39.*



38. Give **one** way structures marked with letter **X** are adapted to prevent the prey from escaping from the mouth.

_____

39. State the use of the structure marked **S** to the above organism.

_____

40. Name the type of manure got from animal droppings and urine.

_____

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SECTION B: 60 MARKS

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

41. (a) Give the meaning of the term mulching.

_____

_____

(b) Mention any **two** plant materials used for mulching.

(i)_____

(ii)_____

(c) State any **one** way in which mulching controls soil erosion.

_____

42.(a) Give any **one** danger of cutting fingernails using teeth.

_____

(b) State any **one** reason why people are encouraged to cut their fingernails short.

_____

(c) Mention any **two** ways of maintaining oral hygiene.

(i)_____

(ii)_____

43.(a) Mention any **one** pest that attacks stored food crops.

_____

(b) State **one** sign of pest attack on crops.

_____

(c) Mention any **two** ways of controlling pests in the garden.

(i) _____

(ii) _____

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44.(a) Give any **two** uses of the human skeleton in the human body.

(i) _____

(ii) _____

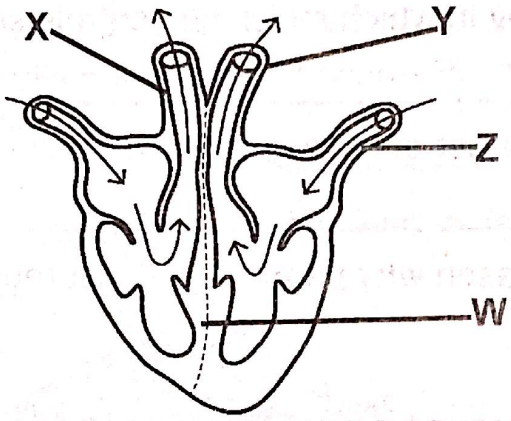
(b) Identify the body tissue that is commonly affected by strains.

_____

(c) State **one** way we can care for the muscles in the human body.

_____

45. **The diagram below shows a circulatory organ**. *Study and use it to answer the questions that follow.*



(a) Identify the blood vessels labelled with letters **X** and **Y.**

(i) **X** _____

(ii) **Y** _____

(b) State the importance of part labelled with letter **W**.

_____

(c) Name the type of blood carried by blood vessel labelled with letter **Z**.

_____

46. (a) Give any **two** characteristics of insects.

(i) _____

(ii) _____

(b) State **one** way the following insects are useful to people;

(i) bees _____

(ii) grasshoppers _____

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47. (a) Give any **two** examples of childhood immunizable diseases caused by a virus.

(i) _____

(ii) _____

(b) Explain how immunization improves a baby's immunity.

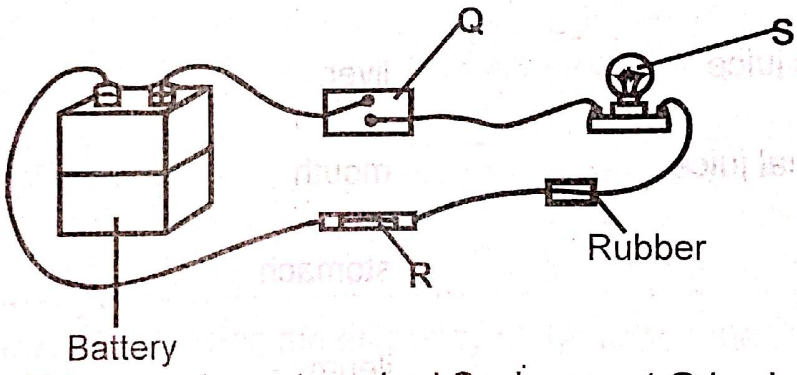
_____

_____

(c) Apart from immunization, mention any **one** other way babies acquire immunity.

_____

48. **The diagram below shows an electric circuit.** *Study and use it to answer the questions that follow.*



(a) State what will happen to part marked **S** when part **Q** is closed.

_____

(b) Give a reason for your answer in (a) above.

_____

(c) State the importance of part labelled **R** in an electric circuit.

_____

(d) Mention any **one** energy change that takes place at part marked with letter **S** when the current is flowing.

_____

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49. (a) State **one** way the teeth for tearing food are adapted to their function.

_____

(b) Give any **one** disorder of the human teeth.

_____

(c) Apart from brushing, state **two** other ways of caring for the teeth.

(i)_____

(ii)_____

50. **Items in list P show the digestive juices. Items in list Q show the body organs that produces them but in a wrong order.**

List P	**List Q**
gastric juice	liver
intestinal juice	mouth
bile	stomach
saliva	ileum

Write the correct organs for the digestive juices in the spaces below:

(i) gastric juice _____

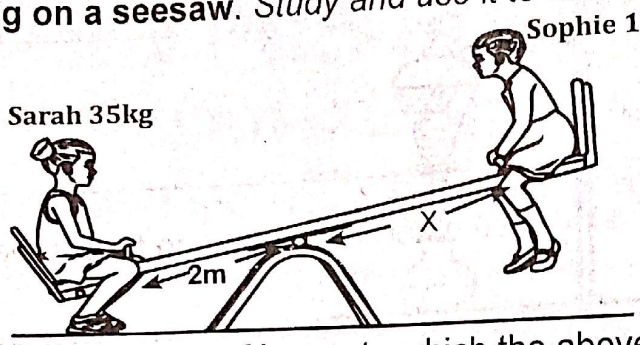
(ii) intestinal juice _____

(iii) bile _____

(iv) saliva _____

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51. **The diagram below shows two girls Sarah and her sister Sophie playing on a seesaw.** *Study and use it to answer the questions that follow.*



(a) Identify the class of levers to which the above machine belongs.

_____

(b) If the two girls are to balance, how far from the pivot should Sophie sit?
(02 marks)

_____

(c) Give **one** way of improving the efficiency of the above machine.

_____

52. (a) Identify the farm practice that involves cutting part of the bird's beak.

_____

(b) Give any **two** reasons for controlling vices on a poultry farm.

(i) _____

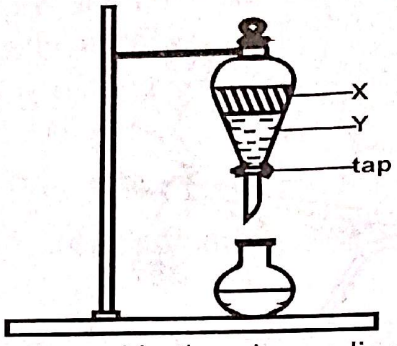
(ii) _____

(c) Mention any **one** viral disease on a poultry farm.

_____

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53. **The diagram below shows a method of separating the mixture of water and petrol.** *Study and use it to answer the questions that follow.*



(a) Identify the method used in the above diagram.

_____

(b) Name the liquids marked with letters **X** and **Y**.

(i) **X** _____

(ii) **Y** _____

(c) Mention any **one** other example of a mixture separated using the above method.

_____

54. (a) Write the name given to the female part of a flower.

_____

(b) State what happens to pollen when they land on the stigma.

_____

(c) State the function of the following parts of a flower;

(i) sepals _____

(ii) petals _____

55. (a) Give any **one** common cause of fractures at school.

_____

(b) Mention the importance of the following when administering first aid for fractures;

(i) splints _____

(ii) armsling _____

(c) State **one** effect of accidents on an individual.

_____

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