THE SIPRO SPECIAL SET 2026

PRIMARY SEVEN

INTEGRATED SCIENCE

Time Allowed: *2 Hours 15 Minutes*

	Random No.						Personal No.		
Index No.									

Candidate's Name: _____

Candidate's Signature: _____

SES No. _____

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

Answer **all** *questions in this serction*

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

1. State any **one** activity carried out to promote oral health at home.

.....

2. Write any **one** indicator of malnutrition in weaning babies.

.....

3. Besides polio vaccine, name any **one** other example of a vaccine administered orally.

.....

4. Name any **one** exotic breed of chicken mainly kept for meat production.

.....

5. State a reason why objects weigh less when immersed in water than in air.

.....

.....

6. Write any **one** way in which air sacs are adapted to carrying out gaseous exchange.

.....

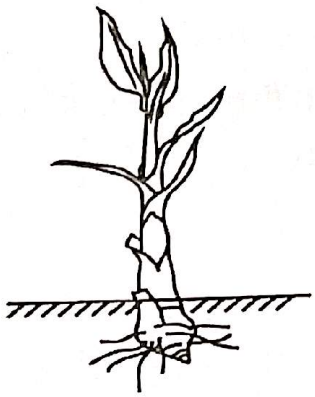
7. Mention any **one** condition under which harvested root tuber crops should be stored.

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The diagram below shows a method of crop propagation. Study and use it to answer questions **8** and **9**.



8. Give **one** reason why most leaves of the young plant above are cut before planting it.

.....

.....

9. State any **one** advantage of using the method of propagation shown in the diagram above.

.....

.....

10. State the difference in function between ligaments and tendons in the human body.

.....

.....

11. Name the component of soil that plants use for making their own food.

.....

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12. Write any **one** characteristic that makes a coconut fruit to be dispersed by water.

.....

13. Give any **one** way in which the use of electricity for cooking reduces air pollution in the community.

.....

.....

14. State any **one** reason why farmers put old honey combs in a new hive during stocking.

.....

.....

15. Name the digestive disorder that can be prevented by feeding on dietary fibre.

.....

16. Write any **one** characteristic that makes a cockroach to be similar to a spider.

.....

17. State **one** way in which the use of a stretcher is helpful to a casualty when receiving first aid.

.....

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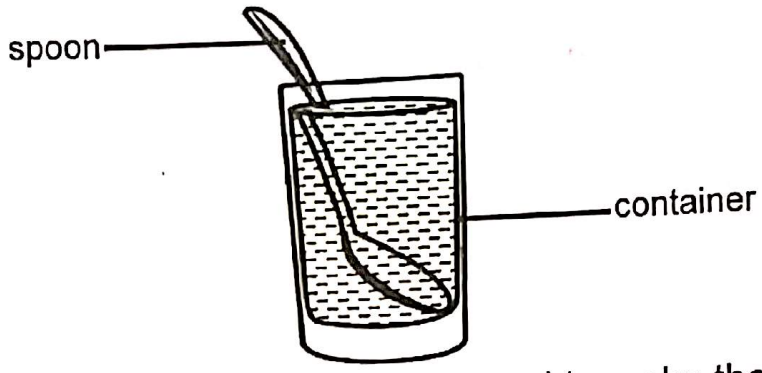
18. Give **one** way in which wearing of a face mask maintains the respiratory system in a good working condition.

.....

.....

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The diagram below shows a container containing of one litre of locally made ORS. Study and use it to answer questions **19** and **20**.



19. State the amount of sugar that was used to make the ORS in the container above.

.....

20. Give **one** other use of the spoon above apart from measuring the solutes.

.....

.....

21. Mention any **one** way in which crop farmers benefit from windy weather.

.....

.....

22. Write **one** way the kidneys regulate the amount of water in the human body.

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23. Name the vector that spreads malaria to people.

.....

24. State any **one** activity that can be carried out in the community to reduce the effects of poor sanitation.

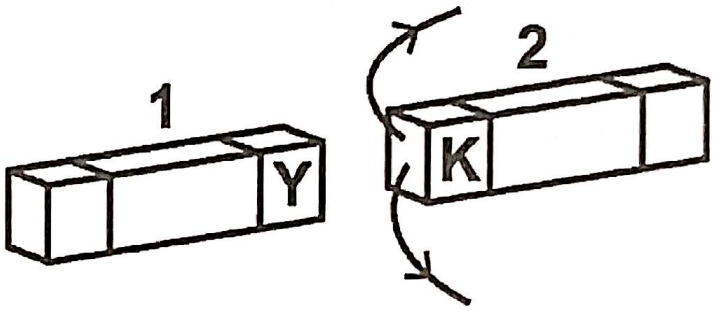
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25. Give **one** way in which firing bricks in kilns makes them good for building permanent houses.

.....

.....

The diagram below shows two bar magnets **1** and **2** put next to each other. Study and use it to answer questions **26** and **27**.



26. Name the pole of the magnet marked with letter **K**.

.....

27. Indicate the magnetic lines of force on magnet **1** if the two magnets are brought closer.

28. Write **one** way in which smoking tobacco affects the health of the unborn baby during pregnancy.

.....

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29. State **one** way in which viral cattle diseases are easily controlled from spreading without drugs.

.....

30. Give any **one** importance of dressing open wounds during treatment.

.....

.....



31. Mention **one** danger of staying in a tall building which is not protected by a lightning arrester.

.....

32. Give the way breastfeeding protects a baby against diseases.

.....

.....

33. State any **one** way untreated diarrhoeal diseases lead to death of infants.

.....

.....

34. Name any **one** product obtained from fractional distillation that is used as a fuel for motor cars.

.....

35. State any **one** way in which a rabbit hutch can be improved to allow more air circulation.

.....

.....

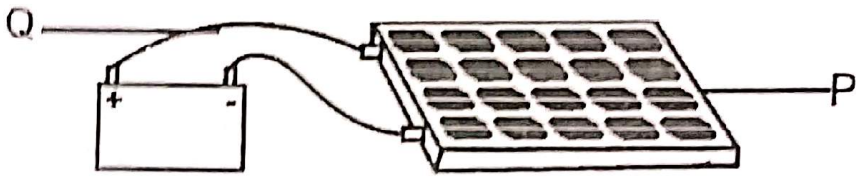
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36. Mention the group of non – flowering plants that reproduces by means of seeds.

.....

The diagram below shows a component of a solar electricity system commonly used at home. Study and use it to answer questions **37** and **38**.



37. Give a reason why part labelled with letter **P** should be placed in an open place.

.....

.....

38. Name the component to which part labelled **Q** should be connected first for the system above to work.

.....

39. Give the function of the anthers to a flower.

.....

.....

40. State any **one** use of fermentation in the environment.

.....

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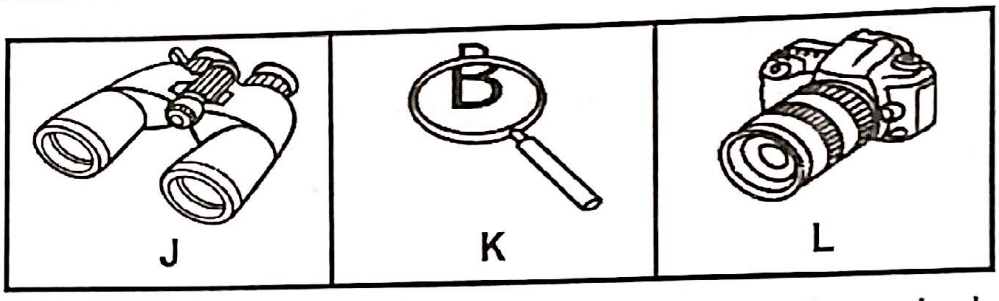
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SECTION B : 60 MARKS

Answer **all** *questions in this section*

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

41. The diagrams below show different optical instruments **J**, **K** and **L** that use lenses. Study and use them to answer the questions that follow.



(a) Identify the type of lens that the optical instruments marked with letters **K** and **L** use.

.....

(b) State the use of the optical instrument marked with letter **J** to people.

.....

.....

(c) Give any **two** similarities between the images formed in optical instrument marked with letter **L** and those formed in the human eye.

(i) .....

(ii) .....

42.(a) State any **one** reason why heat transfer by conduction is slower in liquids than in solids.

.....

.....

(b) Mention any **one** other method of heat transfer through matter besides conduction.

.....

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(c) State **two** ways in which heat transfer by conduction is important to people in a given home.

(i) .....

(ii) .....

43.(a) Name the type of soil that shows each of the following characteristics;

(i) has smooth tiny particles _____

(ii) has rough big particles _____

(b) Give any **one** importance of the type of soil with rough particles to people.

.....

.....

(c) Explain how the smooth tiny particles are important to the type of soil with them.

.....

.....

44.(a) Give any **one** way in which adult amphibians are different from tadpoles in terms of breathing.

.....

.....

(b) Mention the kind of environment in which a frog uses lungs for breathing.

.....

(c) Explain how the jellylike structure protects the eggs of amphibians from being eaten by predators.

.....

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45.(a) Name the part of a permanent tooth which;

(i) protects the inner sensitive parts .....

(ii) covers the root of a tooth .....

(b) Give the main reason why tooth decay is common in molar and premolar teeth.

.....

(c) State the way regular brushing of teeth prevents tooth decay among school children.

.....

.....

46. John planted some maize grains in his garden and watered them. After some time, some grains germinated while others did not.

(a) Mention any **one** factor that enabled some of the maize grains to germinate.

.....

(b) Write any **two** factors that might have made some of the maize grains fail to germinate.

(i) .....

(ii) .....

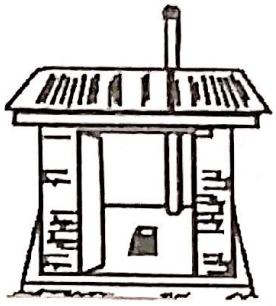
(c) Give the activity John should do to increase maize crops in the garden.

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47. The diagram below shows a type of pit latrine. Study and use it to answer the questions that follow.



(a) Identify the type of latrine shown in the diagram above.

.....

(b) State the reason why the squat hole of the latrine shown above is supposed to be left open.

.....

.....

(c) Write **one** way of caring for pit latrines at home.

.....

(d) State the way the use of the above pit latrine is able to control the spread of diarrhoeal diseases.

.....

.....

48. (a) Mention any **two** resources which are conserved by recycling in the environment.

(i) .....

(ii) .....

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(b) A P.7 child grows flowers and vegetables in used plastic containers. Which method of conserving resources does the child put into practice?

.....

(c) Briefly explain how making of alloys helps in the conservation of metallic minerals.

.....

.....

.....

49. (a) Name **two** internal body parasites which feed on the blood of its host.

(i) .....

(ii) .....

(b) State the way feeding of the above parasites affects the health of their hosts.

.....

.....

(c) Mention **one** piece of advice you can give to parents in order to control the health problems caused by the above blood sucking parasites.

.....

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50. (a) State any **one** importance of the following parts of the reproductive system:

(i) ovaries .....

(ii) oviduct .....

(b) Give **one** disorder of the female reproductive system in human beings.

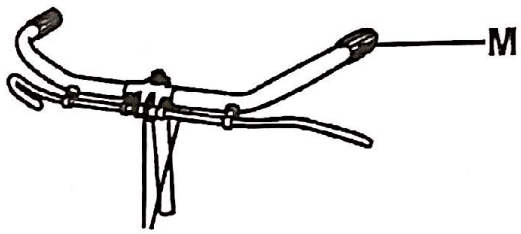
.....

(c) Write any **one** way in which teenage pregnancy is a danger to the female reproductive system.

.....

.....

51. The diagram below shows a part of a bicycle. Study and use it to answer the questions that follow.



(a) Name the part of the bicycle shown in the diagram above.

.....

(b) Give a reason why the part marked with letter **M** of the part of a bicycle above is made with rough structures.

.....

.....

(c) Write any **two** ways of reducing friction on the moving parts of a bicycle.

(i) .....

(ii) .....

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52. (a) Name the natural process by which rain is formed.

.....

(b) State the role of each of the following in the natural process above.

(i) the sun .....

(ii) water body .....

(c) Give **one** way in which deforestation affects the natural process named in (a) above.

.....

.....

53. (a) Give any **one** importance of echoes to each of the following;

(i) sailors .....

(ii) bats .....

(b) Mention any **one** place in the environment where echoes are common apart from cinemas.

.....

(c) Explain how soft porous boards put on the walls of cinemas reduce echoes.

.....

.....

.....

54. (a) Mention any **one** condition under which bacteria can multiply.

.....

(b) State any **one** way bacteria can be useful and harmful to human health.

(i) useful .....

(ii) harmful .....

(c) Write any **one** way food poisoning can be prevented at school.

.....

.....

55. The diagrams below show two body organs C and D. Study and use them to answer the questions that follow.



C



D

(a) State **one** function of the human body organ labelled with letter D.

.....

(b) Give any **one** way organs C and D are similar.

.....

.....

(c) Write any **two** ways of caring for the body organ labelled D.

(i) .....

(ii) .....

END