

THE SIPRO PRE-PLE SET V 2022

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
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
Page 9		
Total		

Please turn over



THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA

PUBLISHERS OF THE SIPRO TEACHERS' GUIDES, LEARNER'S WORKBOOKS & PUPIL'S COMPANIONS

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name any one part of a cockroach that it uses to carry germs.

2. Mention any one household item that is a product of bee-wax.

3. Why is it important for a cattle farmer to keep records on his farm?

4. How is a crutch useful to a person who has got a fracture?

5. Mention one condition necessary for rusting to occur.

6. Why is a drum grouped under percussion musical instruments?

7. Which part of the female reproductive system produces hormones that control secondary sex characteristics in female adolescents?

Study the diagram of a non-flowering plant below. Study and use it to answer questions 8 and 9.



8. Name the part marked with letter A.

9. How does the plant shown in the diagram above reproduce?

10. Give one way of preserving milk and its products.

11. Which health problem is caused by the lack of vitamin A in the body?



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

P.7 PRE-PLE SET V INTEGRATED SCIENCE 2022

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



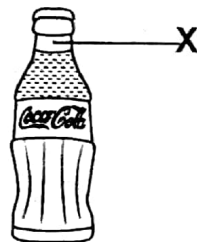
12. Why does a pencil put in a bucket full of water appear bent?

13. Give any one advantage of natural family planning methods over artificial ones.

14. State one cause of drug abuse among adolescents.

15. Why is it a good practice to washing hands before milking a cow?

The diagram below shows a bottle of soda. Use it to answer question 16.



16. State the importance of the space marked with letter X.

17. Give one product made from wool.

18. Why can't sound travel through a vacuum?

19. How is the epiglottis an important part of the respiratory system?

20. State one population and health concern caused by poor disposal of human waste.

21. How does a maize plant protect itself from falling during flowering time?

22. How does smoking done by the family head affect other family members in a home?

23. Name one organism that helps in soil formation by decomposition.



24. How are health parades important in a school?

25. State one way in which HIV/AIDS can be transmitted from the infected mother to the newly born baby.

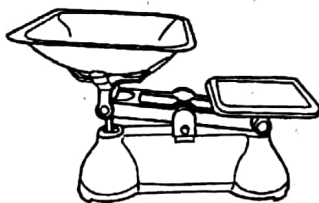
26. State the first aid you would give to a friend with an insect in the ear.

27. Which change occurs when a snake sheds its old skin?

28. How is seasoning important in management of harvested wood?

29. In which way is oxygen important to a bean seed during germination?

Below is a diagram of an instrument commonly used in most retail shops.
Use it to answer question 30.



30. Mention the importance of the instrument drawn in the diagram above.

31. How are blood platelets useful in the human body?

32. In which way is a cock's foot well suited for enabling it to feed on small soil organisms?

33. Give a reason why a rabbit hutch is constructed some metres off the ground.

34. How can a beekeeper protect beehives in an apiary from honey badgers?

35. State one way mulching maintains moisture in the soil.



36. Write any one cause of long sightedness.

37. In which way are animals similar to plants in the way they are naturally replaced when used?

38. Give one reason why images formed in a pinhole camera appear upside down.

39. How is reduced friction a danger to a person driving a vehicle?

40. What is the importance of regular spreading of beddings under sunshine?

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. a) Apart from excess water, name one other component of urine.

b) Name the blood vessel that carries blood from the kidneys to the vena cava.

c) How is the work of the urethra different from that of the ureter in the urinary system?

d) State one habit in people that promotes the proper working of the kidneys.

42. Below are eggs of different kinds of mosquitoes. Study them carefully and answer the questions that follow.



K



Q

a) Identify the kind of mosquito which lays the eggs named with letter;

i) K

ii) Q



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911
P.7 PRE-PLC SET V INTEGRATED SCIENCE 2022

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

b) Name the disease spread by the mosquito that lays the eggs shown at K:

c) State **one** way people can control mosquitoes at the adult stage.

43. a) What is the main cause of fainting?

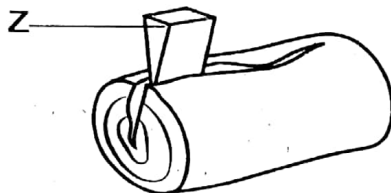
b) Give **one** condition that may lead to fainting.

c) How are each of the following important when giving first aid for fainting?

i) controlling bystanders?

ii) raising the casualty's legs slightly above the head level?

44. The diagram below shows a simple machine. Use it to answer the questions that follow.



a) To what group of simple machines does the one marked Z in the diagram above belong?

b) Write **two** examples of simple machines that belong to the same group as the one shown in the diagram above.

i) _____

ii) _____

c) Name the activity done by the help of the simple machine shown in the diagram above.

45. Complete the immunisation table below correctly.

Disease	Outstanding sign	Vaccine used
a) i) _____	lameness and muscle paralysis	Polio vaccine
b) Tetanus in infants	ii) _____	iii) _____
c) _____	iv) chronic cough	BCG vaccine



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

P7 PRE-PLC SET V INTEGRATED SCIENCE 2022

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

5

46. a) Name the blood cells manufactured in the following types of bones:

i) short bones _____

ii) long bones _____

b) In which part of the bones are blood cells manufactured?

c) Apart from manufacturing blood cells, give one other way the skeletal muscular system is useful in the body.

47. a) Give any two methods of rearing sheep.

i) _____

ii) _____

b) Give one reason why it is important to construct a shed for sheep.

c) Mention the activity a shepherd should do to ease mating in ewes.

48. a) State the property of magnets that enables one to;

i) find direction using a compass _____

ii) separate iron filings from sugar _____

b) Why does a razor blade get attracted to a magnet yet a handkerchief does not?

c) Apart from breaking into pieces, how else is strong hammering dangerous to a bar magnet?



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

P.7 PRE-PLC SET V INTEGRATED SCIENCE 2022

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

6

49. a) State the use of sugar in ORS.

b) Apart from sodium, name the other mineral salt lost during dehydration.

c) Why should a dehydrated person be given a lot of soft drinks?

d) State the recommended number of spoonfuls of sugar applied in one litre of locally made ORS.

50. a) Mention **two** local activities that involve the distillation process at home.

i) _____

ii) _____

b) State any **one** cause of silting in water sources.

c) Give any **one** way silting affects water bodies.

51. a) Give the importance of the following activities as carried out in a banana garden:

i) propping _____

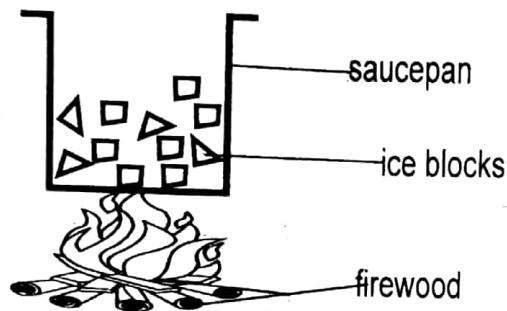
ii) weeding _____

b) Give **one** advantage of proper spacing of crops in the banana garden.

c) What practice is done by farmers to banana suckers to reduce the rate of transpiration after planting?



52. A P.5 child of a certain school put ice blocks in a saucepan and heated them for about 5 minutes as shown in the diagram below. Study and use it to answer the questions that follow.



- a) What did the child see at the bottom of the saucepan after 5 minutes?

- b) What had happened to the ice?

- c) State the type of change which took place inside the saucepan.

- d) Why is the firewood spaced in that way?

53. a) Name **one** living component of the soil.

- b) Which method of soil formation involves breaking down of rocks?

- c) How does soil erosion result into soil exhaustion?

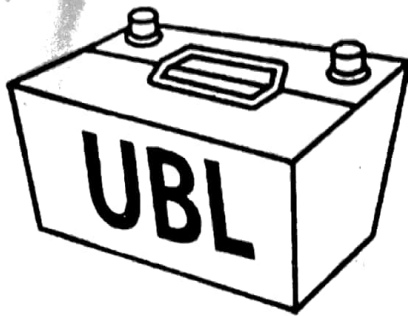
- d) Give any **one** way of controlling soil erosion in hilly areas.

54. a) Name any **two** examples of crops that store their food in leaves.
i) _____
ii) _____
- b) Which part of the leaf transports water and mineral salts to other parts?

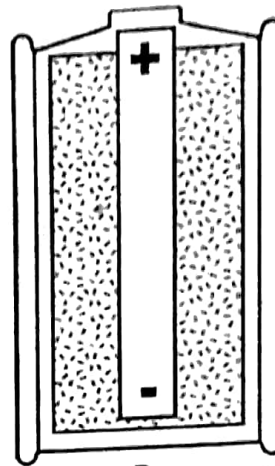
- c) How does the size of the leaf affect the rate of transpiration?



55. The diagrams below show two electric cells. Study and use them to answer the questions follow.



C



D

a) Name the type of electric cell shown in the diagram named with letter:

i) C _____

ii) D _____

b) Which type of electricity is got from the electric cells shown in the diagrams above?

c) State one advantage of using electric cell C over electric cell D.



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

P.7 PRE-PLC SET V INTEGRATED SCIENCE 2022

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