

THE SIPRO MID-MARCH EXAMINATIONS - 2024

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index No.

Random No.						Personal 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



THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA

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

SEMAS

Simplified Learning Today

www.semas.org



SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name any **one** example of a flowering plant.

2. How are bacteria useful in soil formation?

3. State the intestinal diarrhoeal disease which involves passing out of blood stained stool.

4. Name the type of soil which is the best for making ceramics.

5. Which accident leads to the breaking or cracking of bones?

6. Give **one** item used in the promotion of personal hygiene.

7. In which basic units is weight measured?

8. Name the type of movable joint in the human body located in between the humerus and the radius.

9. Give any **one** function of roots to plants.

The diagram below shows a crop grown in our community. Study and use it to answer questions 10 and 11.



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

P.7 INTEGRATED SCIENCE MID-MARCH EXAMINATION - 2024

KNOWLEDGE, THINKING, AND EXPERIENCE AT REAL LEARNING WITH THE ACTIVITY BOOKS, REMARKS GUIDES AND PUPIL'S COMPANIONS

10. Identify the root tuber shown in the diagram above.

11. How is the root crop drawn above harvested?

12. Give any **one** role of children in a family.

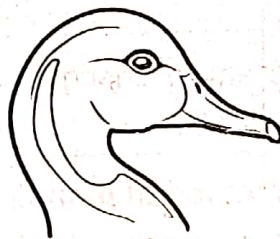
13. How is the function of pinna different from that of the eardrum in the hearing process?

14. Why do poultry farmers rear dual-purpose chickens?

15. State the importance of echoes to a pilot.

16. Which tissue joins muscles to bones in the human body?

The diagram below shows one of the common birds in the environment. Study and use it to answer question 17.



17. Mention **one** type of food birds with such a beak feed on.

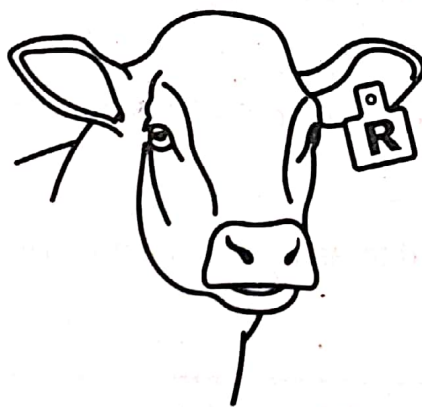
18. How are the canine teeth adapted to their function of tearing flesh?

19. Why are fossil fuels referred to as non-renewable resources?



20. Which part of the root system protects a growing root tip from mechanical damage?
21. To which class of vertebrates do snakes belong?
22. Give any **one** principle of Primary Health Care.
23. In which **one** way does the respiratory system benefit from the skeletal muscular system?
24. Name the weather element which makes a person move with an umbrella and gumboots.
25. State any **one** foodstuff given to children as a way of preventing them from getting night blindness.
26. How do leaves help in the feeding process of a plant?
27. What type of electricity does not involve the flow of electric charges?
28. Give any **one** characteristic of chemical changes.

The diagram below shows a method of branding on a cattle farm.
Study and use it to answer questions 29 and 30.



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

P.7 INTEGRATED SCIENCE MID-MARCH EXAMINATION - 2024

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

3. Identify the method of branding shown in the diagram above.

0. Apart from the one shown in the diagram above, write any **one** other method of branding cattle.

1. Which blood component is responsible for distributing oxygen in the body?

2. State the property of magnets that enables pilots use a compass needle.

3. Why are casualties of near drowning given a kiss of life?

4. Which vaccine is administered to babies through injection on the right upper arm?

5. How long is the gestation period of a goat?

6. Why are bean crops grouped under annual crops?

7. Which force holds molecules of the same substances together?

8. Apart from hiding from its enemies, give any other reason why chameleons change colour.

9. State any **one** advantage of seed dispersal.

0. Briefly explain how sun drying helps in food preservation.



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Which type of current electricity is generated from hot springs?

b) State any **two** uses of electricity at home.

i) _____

ii) _____

c) Give **one** danger of electricity in the environment.

42. a) Give the meaning of the term sanitation.

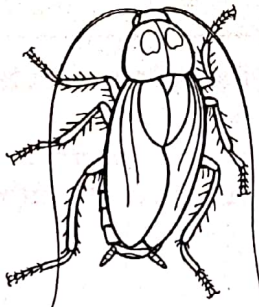
b) State **two** indicators of poor sanitation in an area.

i) _____

ii) _____

c) Write **one** reason for promoting proper sanitation in our community.

43. The diagram below is of a certain vector. Study and use it to answer the questions that follow.



a) Identify the vector shown in the diagram above.

b) Give any **two** diseases spread by the vector drawn above.

i) _____

ii) _____

c) State **one** way of reducing the vector drawn in the diagram above.



44. a) Give any **two** types of bees found in a beehive.

- i) _____
- ii) _____

b) State any **two** industrial uses of beeswax.

- i) _____
- ii) _____

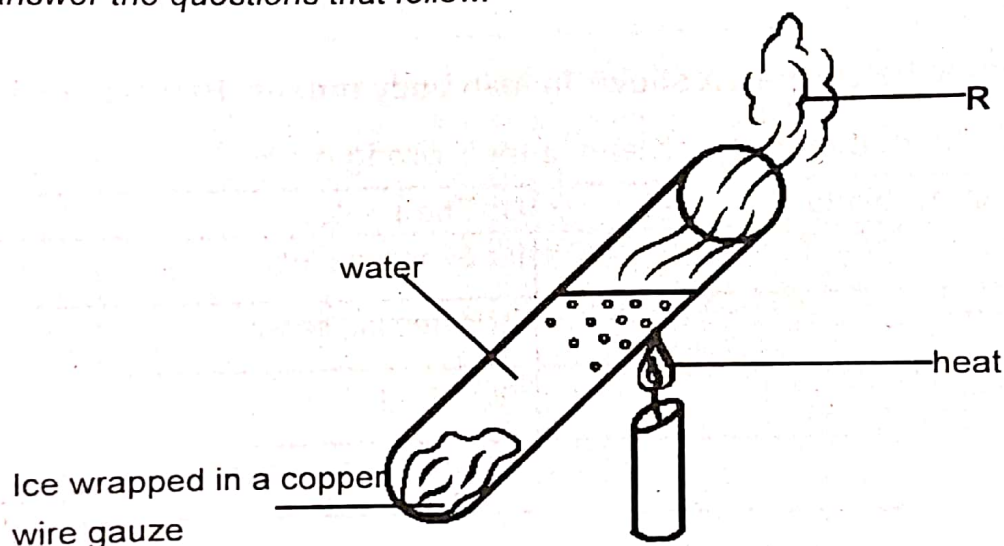
45. a) Which type of soil has the;

- i) highest capillarity? _____
- ii) highest drainage? _____

b) Give any **two** uses of soil to people.

- i) _____
- ii) _____

46. The diagram below shows an experiment about water. Study and use it to answer the questions that follow.



a) What does the experiment drawn above prove about water?

b) Give the reason why the ice is wrapped in a copper wire gauze.

c) How does heat from the source go through the glass of the test tube to reach the water?

d) Name the physical process that leads to the formation of substance marked with letter R.



47. a) Name the type of resources which can be naturally replaced once used.

b) Give **two** examples of the resources mentioned in (a) above.

i) _____

ii) _____

c) State **one** way the resources mentioned in b (i) can be replaced when used.

48. a) State any **two** major groups of living things.

i) _____

ii) _____

b) How do living things increase in number?

c) Give any **one** reason why a stone is not grouped under living things.

49. In the table below, part A shows human body organs. Part B shows the roles of the human body organs in their wrong order.

A: Human body organs	B: Their roles
i) ears	for pumping blood
ii) eyes	for detecting smell.
iii) nose	for seeing
iv) heart	for sensing soundwaves

Select from the table the correct roles of the human body organs and write them in the space provided below:

i) ears _____

ii) eyes _____

iii) nose _____

iv) heart _____



10. a) Name the **two** poisonous substances contained in tobacco.

i) _____

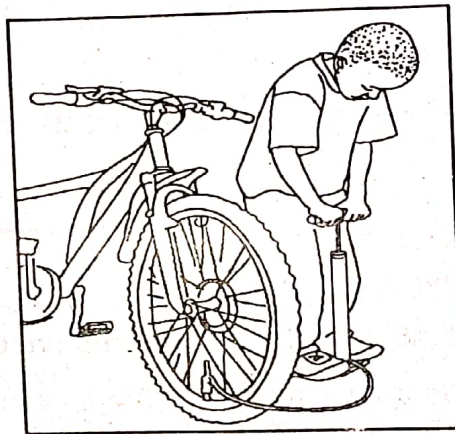
ii) _____

b) Give **one** effect of smoking tobacco to human health.

c) State **one** life style which prevents a P.7 pupil from the effects of smoking tobacco.

51. The diagram below shows a person adding pressure in a bicycle tyre.

Study and use it to answer the questions that follow.



a) Which property of air is illustrated in the diagram above?

b) Apart from the activity shown in the above diagram, state **two** other activities people do with the help of the property of air shown above.

i) _____

ii) _____

c) State any other property of air that helps in the activity drawn above.

52. a) What are deficiency diseases?

b) Give any **two** examples of deficiency diseases.

i) _____

ii) _____

c) Which food value do we get from eating fish?



53. a) Name the skeletal disease that paralyses people's limbs.

b) What is the best way of controlling the disease you have mentioned in (a) above?

c) Give any **two** functions of the skeleton to the human body.

i) _____

ii) _____

54. a) State any **two** characteristics common to all insects.

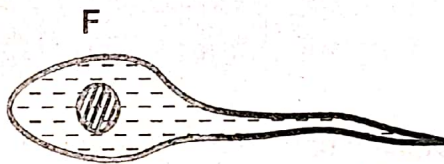
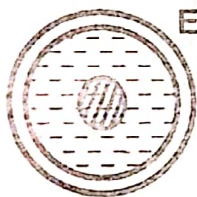
i) _____

ii) _____

b) Why is a spider not grouped under insects yet it is an arthropod?

c) Name the group of arthropods to which a spider belongs.

55. The diagrams below are of two reproductive cells in humans. Study and use them to answer the questions that follow.



a) Name the reproductive system cells drawn above marked:

(i) F _____ (ii) E _____

b) How is reproductive cell marked F similar to pollen in plants?

c) What name is given to the process by which reproductive cell marked F fuses with reproductive cell marked E?

