

THE SIPRO MID - TERM II EXAMINATIONS 2024

SUBJECT : INTEGRATED SCIENCE
CLASS : PRIMARY SIX
DURATION : 2 hours 15 minutes

Name: _____

School: _____

District: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 20 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		
Total		

Please turn over

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2024/06/26 09:16

SEMAS

| Simplified Learning Today

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Give **one** example of a foodstuff that promotes body growth.

2. Write any **one** non-flowering plant that reproduces by means of spores.

3. Which insect vector hides in the fur of a rat?

4. State **one** way of improving the quality of local breeds of sheep on a farm.

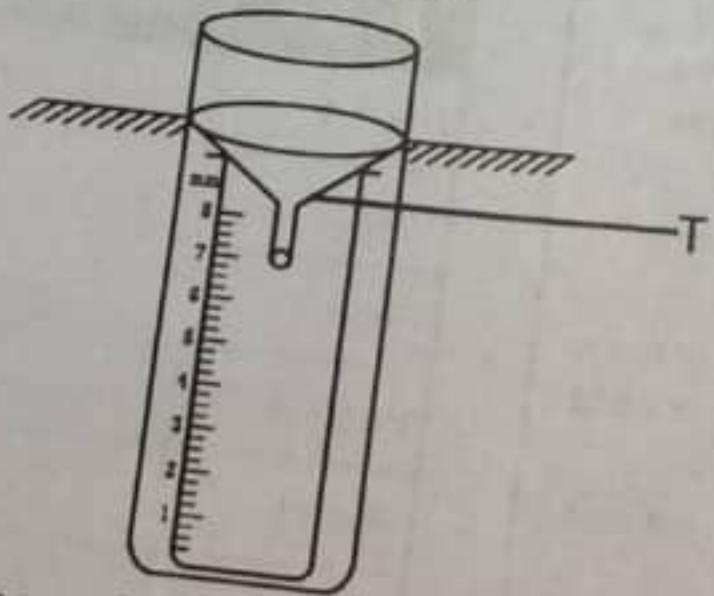
5. Give **one** quality of a good store for harvested cereals.

6. In which **one** way do natural changes affect the environment?

7. State **one** importance of seed dispersal to plants.

8. Mention any **one** characteristic of sinking objects.

The diagram below shows a weather instrument used to measure rainfall.
Study and use it to answer question 9.



9. Mention the importance of part marked with letter T.

10. In which **one** way can essential drugs be kept out of reach of children?

11. State **one** way moving air is useful to plants in a given natural environment.

12. Give a reason why a black cloth dries faster than a white cloth.

13. Give **one** way

14. In which **one** w

15. How are veget

16. What do we ca

17. Which part of a

18. Why are vitami

19. How is the hab

20. Give **one** exam

21. State **one** diffe

22. The table belo
human being.

Incisors	Canines
4	
4	

23. Name the type

24. Give **one** way m

25. Which type of c

26. Give **one** way i

The diagram be
and 28.

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. a) Mention any two ways wind is useful to crop farmers.

i) _____

ii) _____

b) In which two ways can the dangers of strong wind be controlled in a community?

i) _____

ii) _____

42. a) Give any two ways in which medical drugs are introduced in the body.

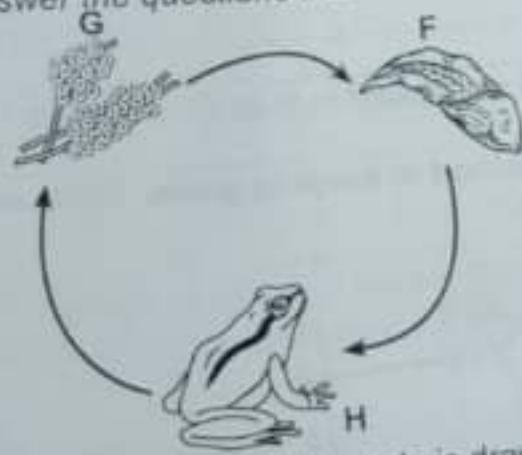
i) _____

ii) _____

b) State one reason why it is important to properly store medical drugs.

c) Why is it a bad practice to carry out self medication when a person is sick?

43. The illustration below shows a life cycle of a common amphibian. Study and use it to answer the questions that follow.



a) Name the amphibian whose life cycle is drawn above.

b) What special name is given to stage marked with letter F?

c) How is stage marked with letter G protected from being taken away by flowing water?

d) In which one way does stage H differ from stage F in terms of breathing?

48 a) Write any two non-chemical methods of controlling weeds in a garden.

i) Give two ways weeds lower the crop yields from a garden.

ii) Give any two uses of blood in the human body.

a) i) Why are blood capillaries made of very thin walls?

b) Identify the blood vessel type drawn below.



50. a) Name the farming method where farmers grow the same kind of crops on the same piece of land season after season.

b) Mention any one danger of the above farming method to the soil.

c) State any two reasons why crop farmers are encouraged to practise crop rotation.

i) _____
ii) _____ sentences below are about how the ear works during the hearing process. (Arrange them correctly to show the correct process involved in hearing.)

i) The cochlea changes sound waves into the ear canal.
ii) The pinna traps and directs sound waves to the brain for interpretation.
iii) The auditory nerve sends nerve signals to the brain.
iv) The ossicles amplify sound vibrations.

- i) _____
ii) _____
iii) _____
iv) _____

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IGNITE CRITICAL THINKING

13. Give **one** way of controlling heart diseases without using drugs.
14. In which **one** way is artificial immunity acquired by the human body?
15. How are vegetables useful in one's diet?
16. What do we call a constructed habitat of a domestic rabbit?
17. Which part of an insect has a similar function to the lateral line in a fish?
18. Why are vitamins and mineral salts not digested in the human digestive system?
19. How is the habit of having long fingernails dangerous to human health?
20. Give **one** example of a crop pest that undergoes an incomplete lifecycle.
21. State **one** difference between perennial and annual crops.

22. The table below shows the number of teeth in the dental formula of an adult human being. Complete it correctly.

Incisors	Canines	Premolars	Molars	Total	
4		4	6	32	Upper jaw
4		4	6		

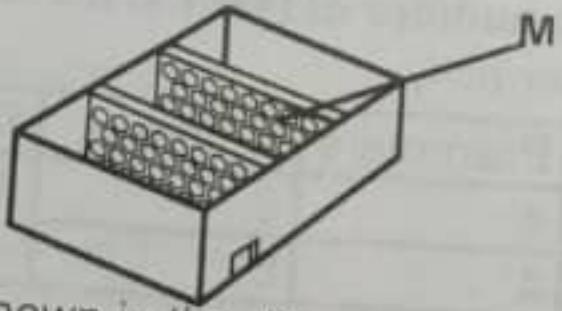
23. Name the type of cattle with a triangular body shape and long legs.
24. Give **one** way mulching helps to conserve soil.
25. Which type of change occurs when a heated metal expands?
26. Give **one** way in which some plants are dangerous to people.

The diagram below is of a mushroom. Study and use it to answer questions 27 and 28.



27. To which group of living things does the one drawn above belong?
28. How is part labelled with letter K useful to the organism drawn above?
29. How is a bat able to locate food and obstacles at night during movement?
30. Give one garden tool commonly used by crop farmers to harvest cereals.
31. Mention any one viral immunisable disease spread by cockroaches to people.
32. How are blood platelets different from red blood cells in terms of function?
33. Name the type of soil erosion where small water channels are created by fast flowing water.

Below is a diagram of a beehive. Study and use it to answer questions 34 and 35.



34. Name the type of beehive shown in the diagram above.
35. How does part marked M help in keeping the honey in the beehive above clean?
36. What is pitch as used in the study of sound?
37. State one sign of pest damage on a plant.
38. Mention one way of preventing the spread of diseases among rabbits.
39. How is reproduction in people similar to that in geckos?
40. How are bacteria in the nodules of a legume useful in improving soil fertility?

44. a) Why is burning of _____ stay.

- i) _____
 - ii) _____
- b) State any two advantages of keeping the places where we stay.
- i) _____
 - ii) _____

52. a) Mention any two items that can be used when cleaning the places where we stay.

4

b) State any two advantages of keeping proper sanitation in the places where we stay.

4

i) _____

4

ii) _____

4

b) Mention any other two roles of a school health committee is to organise health parades.

4

i) _____

4

ii) _____

4

b) Mention any two activities carried out at school during a health parade.

4

i) _____

4

ii) _____

4

c) Explain the meaning of the term pollination.

4

i) _____

4

ii) _____

4

c) Mention any one example of a bird that pollinates flowers.

4

54. a) Explain the meaning of the term pollination.

4

i) _____

4

ii) _____

4

b) Give any two characteristics of insect pollinated flowers.

4

i) _____

4

ii) _____

4

55. The diagram below shows a common foodstuff. Study and use it to answer the questions that follow.



a) Identify one deficiency disease prevented by feeding on the above foodstuff.

b) Name one mineral salt rich in the above foodstuff that helps to prevent the disease mentioned in (a) above.

c) Apart from mineral salts, name any two other classes of food that make up a balanced diet.

4

4

i) _____

4

ii) _____

4