

# 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		

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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		Lower jaw

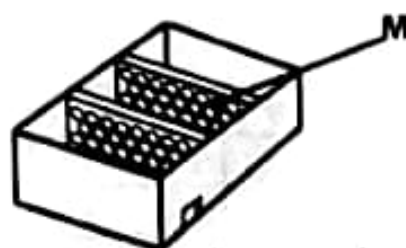
23. Name the type of cattle with a triangular body shape and long legs.
24. Give one way mulching helps to conserve soil.
25. Which type of change occurs when a heated metal expands?
26. Give one way in which some plants are dangerous to people.

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?



## 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) \_\_\_\_\_

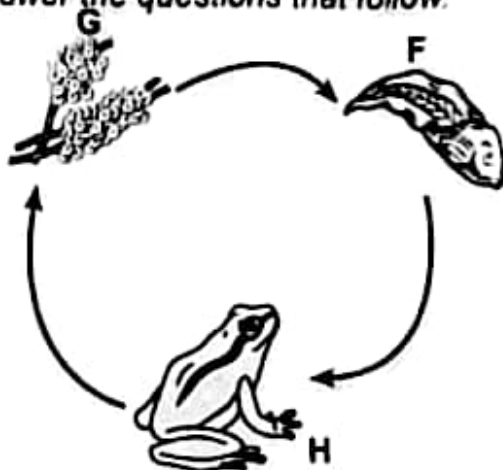
42. a) Give any **two** ways in which medical drugs are introduced in the body.

- 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?



44. a) Why is burning of candle wax called a physical change?

b) Write any two examples of physical changes involved in distillation of alcohol

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Apart from distillation of alcohol, write one other importance of physical changes to people

45. a) Mention any two dangerous habits that may lead to burns and scalds at home.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) What first aid kit can be used to administer first aid for the following accidents?

i) cuts \_\_\_\_\_

ii) fracture \_\_\_\_\_

46. a) Besides Friesians, name any other two dairy breeds of cattle.

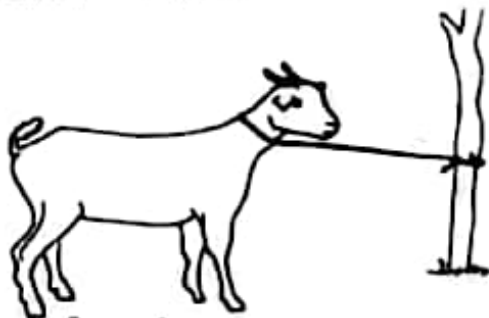
i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Give any one reason why cattle farmers prefer rearing local breeds to rearing exotic ones.

c) Why should a newly born calf be allowed to feed on colostrum?

47. The diagram below shows a method of keeping goats. Study and use it to answer the questions that follow.



a) State the method of grazing goats shown in the diagram above.

b) Write any two advantages of the above drawn system of grazing goats.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Mention one danger of placing the rope around the neck of the goat as shown in the above diagram.



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

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

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

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

49. a) Give any **two** uses of blood in the human body.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Why are blood capillaries made of very thin walls?

c) 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) \_\_\_\_\_

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

- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- iii) \_\_\_\_\_
- iv) \_\_\_\_\_



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**P.6 INTEGRATED SCIENCE MID - TERM II EXAMINATIONS 2024**

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



**POPS**

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

i) \_\_\_\_\_

ii) \_\_\_\_\_

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

i) \_\_\_\_\_

ii) \_\_\_\_\_

53. a) One of the roles of a school health committee is to organise health parades. Give any other **two** roles of a school health committee.

i) \_\_\_\_\_

ii) \_\_\_\_\_

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

i) \_\_\_\_\_

ii) \_\_\_\_\_

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

\_\_\_\_\_

b) Give any **two** characteristics of insect pollinated flowers.

i) \_\_\_\_\_

ii) \_\_\_\_\_

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

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.

i) \_\_\_\_\_

ii) \_\_\_\_\_

