

THE SIPRO MID - TERM I EXAMINATIONS 2024

SUBJECT : INTEGRATED SCIENCE
CLASS : PRIMARY FIVE
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 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.

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SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the type of weather that enables farmers to winnow harvested seeds.

2. State **one** activity done to promote oral health.

3. Write down **one** sign of a dehydrated child.

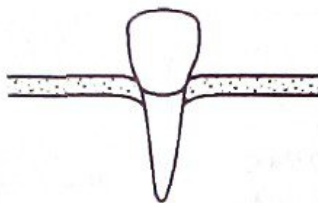
4. Give **one** reason why apiarists carry out bee farming.

5. How are the gills of a fish similar to stomata of a plant in terms of function?

6. Name any **one** activity done by poultry farmers to control egg eating.

7. Which type of soil supports proper plant growth?

The diagram below is of a human tooth. Study and use it to answer questions 8 and 9.



8. Name the type of tooth drawn above.

9. What is the role of the above drawn type of tooth to animals?

10. Give **one** way of protecting harvested bean seeds from pest attack in the store.

11. Jimmy's son has poor night vision. Which deficiency disease could he be suffering from?

12. What factor makes objects float on water?

13. Mention **one** mineral salt needed for proper formation of bones and teeth.

14. Why should the floor of a deep litter house be covered by materials like wood shavings?



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15. State any **one** disease common in areas with overgrown bushes.

16. How does a chameleon safe guard itself from enemy attack?

17. What is the main source of heat and light in the environment?

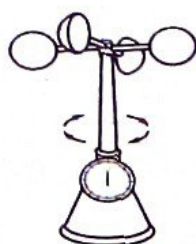
18. Name **one** example of a dicot that undergoes hypogeal germination.

19. Mention the body organ used for tasting.

20. Give **one** example of food got from water bodies.

21. State **one** danger of playing near fire.

The diagram below shows a weather instrument. Study and use it to answer question 22.



22. Give the reason why the weather instrument drawn above is not found inside the Stevenson screen.

23. Mention any **one** characteristic of insect pollinated flowers.

24. Name any **one** animal which uses soil as its habitat.

25. State the component of soil that enables plants to make their food.

26. Why are fire extinguishers painted with bright colours?

27. When are crop farmers advised to transplant their seedlings?

28. Give **one** example of an insect vector that doesn't bite.

29. Which body organ helps to filter blood?



30. Name the part of a seed that develops out first during germination.

31. Which part of an insect is used for balancing during flight?

32. Give the reason why rabbits become sick when living in a dirty hutch.

33. Why don't plants make food at night?

34. How are segments useful to a tapeworm?

35. Which part of a sugarcane plant stores food?

36. In the space provided below, draw a male part of a flower.



37. Why should leftover food be covered?

38. Name **one** plant that can be grown in wetlands.

39. How is an ovipositor useful to a queen bee?

40. In which way can poultry farmers make broilers produce more meat?

SECTION B : 60 MARKS

Questions 41 to 55 carry four marks each.

41. (a) Name the **two** types of pollination.

(i) _____

(ii) _____

(b) Give **one** example of an insect that pollinates flowers at night.

(c) Where in a flower does fertilisation take place?

42. (a) Mention any **one** example of these chickens:

(i) broilers _____

(ii) layers _____

(b) Write down any **two** viral diseases of poultry.

(i) _____

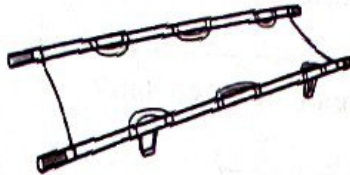
(ii) _____



43. (a) Give **two** reasons for giving first aid to casualties.

- (i) _____
(ii) _____

(b) Name the first aid kit drawn below.



(c) How is the above tool useful to a first - aider?

44. (a) What does letter "R" stand for in the abbreviation of **ORS**?

(b) Which item is used to stir the mixture when making **ORS**?

(c) Mention **two** important mineral salts the body gets after rehydration.

- (i) _____
(ii) _____

45. (a) Name any **two** intestinal worms among human beings.

- (i) _____
(ii) _____

(b) State any **two** dangers of worm infestation among human beings.

- (i) _____
(ii) _____

46. The table below shows vectors and the diseases they spread. Complete it correctly.

Vector	Disease
Female Anopheles Mosquito	(i) _____
(ii) _____	Bubonic plague
Freshwater snail	(iii) _____
(iv) _____	Trachoma



47. (a) How is a pollen basket useful to a worker bee?

(b) Give any **two** products got from beeswax.

(i) _____

(ii) _____

(c) Why is it dangerous for pupils to throw stones in a beehive?

48. (a) Apart from snuffles, name any other **two** diseases of rabbits.

(i) _____

(ii) _____

(b) Name any **two** practices farmers who keep rabbits can do to control the spread of rabbit diseases.

(i) _____

(ii) _____

49. (a) Which **two** parts of the 4Fs germ path attract insect vectors?

(i) _____

(ii) _____

(b) Write any **one** vector which is involved in the 4Fs germ path.

(c) How are vectors different from germs?

50. (a) State any **two** components of air in the atmosphere.

(i) _____

(ii) _____

(b) Which property of air enables a person to suck soda using a straw?

(c) Name any **one** game played by the help of moving air.



51. (a) What name is given to a meal that contains all food values in their right amounts?

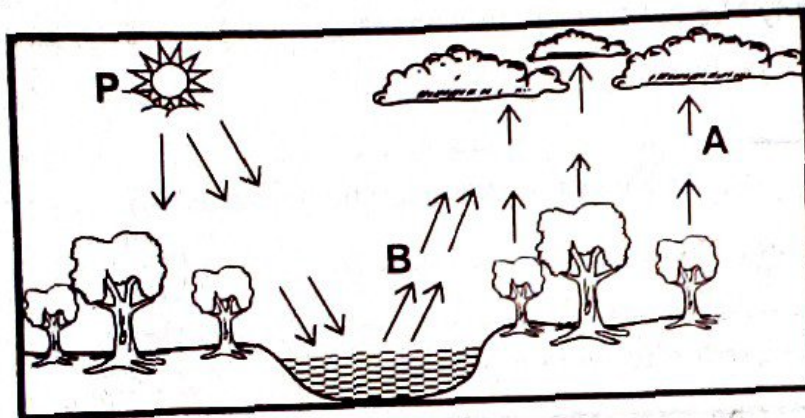
(b) Give **two** examples of malnutritional diseases.

(i) _____

(ii) _____

(c) Give **any one** natural cause of malnutrition.

52. The diagram below is of a rain cycle. Study and use it to answer the questions that follow.



(a) Name the component of the rain cycle marked with letter P.

(b) State the processes marked with letters;

(i) B : _____

(ii) A : _____

(c) Write **one** human activity that increases the rate of rainfall formation.

53. (a) How can a crop farmer in a hilly area control soil erosion?

(b) Give **two** reasons for covering top soil with dry plant materials in a school garden.

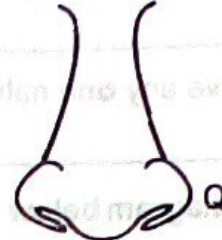
(i) _____

(ii) _____



(c) State **one** disadvantage of mulching.

54. The diagram below shows body organs. Study and use it to answer the questions that follow.



(a) Name the body organs drawn above:

(i) P: _____

(ii) Q: _____

(b) Mention any **two** ways of caring for the above drawn body organs.

(i) _____

(ii) _____

55. Match the garden tools below to their uses.

Garden tool	Use
secateurs	digging in rocky grounds
trowel	cutting small trees
forked hoe	pruning
panga	transplanting

(i) secateurs : _____

(ii) trowel : _____

(iii) forked hoe : _____

(iv) panga : _____



52. The diagram below shows a clinical thermometer. Study and use it to answer the questions that follow.



a) Give the use of the thermometer drawn above to the health worker.

b) State any **two** things that are done to the thermometer drawn above before using it.

i) _____

ii) _____

c) Apart from the clinical thermometer, name any **one** other medical equipment used in medical centres.

53. a) Give any **two** causes of nosebleeds.

i) _____

ii) _____

b) Mention **one** step involved in administering first aid to a casualty with nosebleeds.

c) State **one** measure people can take to prevent nosebleeds.

54. a) Write any **two** ways of caring for wild animals.

i) _____

ii) _____

b) State any **two** dangers of wild animals to people.

i) _____

ii) _____

55. a) What is dehydration?

b) State any **two** importance of giving **ORS** to a dehydrated casualty?

i) _____

ii) _____

c) Give **one** reason why **ORS** should be kept covered after preparation.



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P.6 INTEGRATED SCIENCE MID TERM I EXAMINATIONS - 2024

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

48. a) State the use of heat to the following groups of people;

i) a school cook _____

ii) crop farmer _____

b) Name any **two** sources of heat commonly used in a home.

i) _____

ii) _____

49. The diagram below shows a method of preparing food. Study and use it to answer the questions that follow.



a) Identify the method of food preparation shown in the diagram above.

b) Give **one** foodstuff that can be prepared using the above drawn method.

c) Besides the illustrated method, name any other **two** methods of food preparation.

i) _____

ii) _____

50. a) State the importance of the following components of the rain cycle.

i) the sun _____

ii) plants _____

b) Name any **two** ways rainfall is useful to a crop farmer.

i) _____

ii) _____

51. a) How are amphibians different from reptiles in terms of reproduction?

b) Give **two** examples of amphibians without tails.

i) _____

ii) _____

c) How do do amphibians help in the control of the spread of diseases?



The diagram below shows a practice carried out on the farm.

Study and use it to answer question 27.



27. Give **one** reason why tomato farmers carry out the practice shown in the diagram above.
28. Identify any **one** material that can be made from banana fibres.
29. State any **one** way of controlling the spread of tuberculosis among people.
30. How does a queen excluder in a modern beehive promote the harvesting of clean honey?
31. In which **one** way is a forest important to a monkey?
32. Why are expectant mothers advised to feed on food rich in mineral salts?
33. State **one** cause of seed dormancy.
34. Besides dirty habitats, what other condition may lead to animal diseases on a farm?
35. Why should well water be boiled before drinking it?
36. How is breathing in fish different from that in insects?
37. Write **one** way of controlling sweet potato pests.
38. How is the use of charcoal at home a threat to the environment?
39. Give **one** disease that can be controlled by promoting proper sanitation.
40. Which element of **PHC** is promoted by prolonged breastfeeding in women?



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Identify the method of storing sound where memory cards and flash discs are used.

b) Give any two devices used to reproduce sound stored by the method mentioned in 41 (a) above.

i) _____

ii) _____

c) State any one advantage of storing sound.

42. a) Name the vector borne disease that can be prevented by;

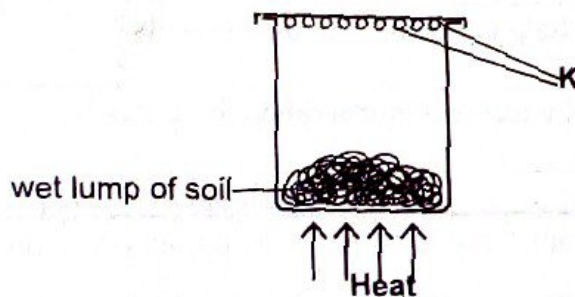
i) sleeping under a treated mosquito net _____

ii) using tsetse fly traps _____

b) How does slashing tall grass help to control the spread of malaria in the community?

c) What vector is responsible for spreading trachoma?

43. The diagram below shows a property of soil. Study and use it to answer the questions that follow.



a) Identify structures marked with letter K.

b) What property of soil is illustrated in the diagram above?

c) State any two other properties of soil apart from the one shown in the diagram above.

i) _____

ii) _____



44. The table below contains some items used to promote personal hygiene and their uses but in a wrong order.

M: Items	N: Uses
razor blade	wiping the body after bathing.
towel	straightening hair.
bathing sponge	grooming finger and toe nails.
comb	removing dirt and sweat from the skin.

Give the correct use of each of the items above.

- i) razor blade _____
- ii) towel _____
- iii) bathing sponge _____
- iv) comb _____
45. a) State the importance of a fire extinguisher in the school community.

- b) Give any **two** ways the fire extinguisher can be made easily seen in a school community.
i) _____
ii) _____
- c) Why should children be taught how to use a fire extinguisher in a school community?

46. a) How does immunisation help in boosting body immunity?

- b) Write the **two** methods of vaccine administration in infants.
i) _____
ii) _____
- c) In which **one** way can a family participate in the immunisation programme?

47. a) State any **two** ways of controlling the spread of diarrhoeal diseases in a home.
i) _____
ii) _____
- b) Besides diarrhoeal diseases, name any other **two** diseases got as a result of poor sanitation.
i) _____
ii) _____



13. What component of air is used in the filling of electric bulbs?

14. Which system of keeping poultry separates eggs from birds?

15. How are premolars and molars adapted to their function?

16. In which **one** way is air useful in soil?

17. How are eggs of amphibians protected from predators?

18. Given an object of mass of **54g** and volume of **9cc**.
Calculate its density.

19. What name is given to the factory manufactured feeds of rabbits?

20. In which way do frogs move from one place to another?

21. Which method of planting seeds requires the use of a string?

22. Why does a metal rust when left outside for a night?

23. How are black-flies dangerous to human health?

24. Name the digestive juice produced in the walls of the small intestine.

25. State **one** factor that determines the speed of sound in air.

26. Which body organ do mammals and birds use for breathing?



SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the part of a plant on which breathing organs are found.

2. Which element of PHC is promoted by sleeping under treated mosquito nets?

3. Give any one effect of cloudy weather in the environment.

4. Mention any one use of the neck to the human body.

5. State one factor that determines the pitch of sound produced by percussion musical instruments.

6. Apart from a garden hoe, name any other garden tool that can be used in harvesting crops.

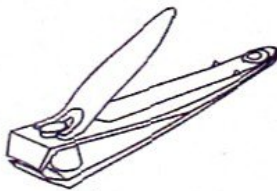
7. Why are different sites used in the immunisation of diseases?

8. Which biological change in plants requires oxygen to take place?

9. Give any one farming activity done in a dry season.

The diagram below shows an equipment used to promote personal hygiene.

Study and use it to answer question 10.



10. State the use of the equipment drawn above in the promotion of personal hygiene.

11. Mention one sign of roundworm infestation in human beings.

12. Give one first aid instrument that can be used in the administration of first aid to snake bitten victims.



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