

PRIMARY FIVE MIDTERM TWO

INTEGRATED SCIENCE

TIME ALLOWED: *2 hours 15 minutes*

NAMES:..... STREAM:.....

1. Answer all questions in both Sections **A** and **B**.
2. All answers must be written in the spaces provided.
3. All answers must be written using **Blue** or **Black** ball pen.
Only diagrams must be drawn in **pencil**.
4. Unnecessary **changes** of work and **handwriting that cannot be easily read** may lead to **loss of marks**.

SECTION A: 40 MARKS

1. Name the item used for drying the body after bathing at home.

2. State any one reason why people build houses in the community.

3. Identify one characteristic of clay soil that makes it the best for making ceramics.

4. Write down any one use of water during seed germination.

5. Apart from hunger, state any one other reason why people eat food.

6. Identify any one component of the soil that is used by plants to make their own food.

7. Mention any one activity that can be done to promote oral hygiene.

8. How does chewing food help to make digestion of food easy?

9. Give any one way of making water safe for drinking at home.

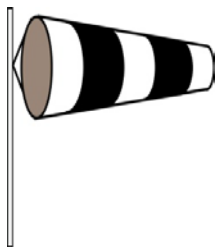
10. Suggest any one way a cock can be helpful to a time keeper at school.

11. Name the vaccine administered to babies to prevent the childhood immunisable disease that attacks the liver.

12. Write down one biological method that can be used to control rats at home.

13. How does smoking help in the preservation of food?

14. How is the instrument in the diagram below useful in a weather station?



15. Give one cause of tapeworm infection in people.

16. Name the part of the tooth that enables one to feel pain.

17. How is humus formed?

18. How is a kink useful in a clinical thermometer?

19. What advice can you give to a mother whose child is suffering from kwashiorkor?

20. Why does a coin sink in water?

21. State one reason why a rabbit hutch is made out of wire mesh.

22. Mention any one way of maintaining the proper working of the digestive system.

23. Name the body sense organ that helps one to tell that tea is hot.

24. How does the keeping of fish help to improve the health of people in the community?

25. State one danger of dumping polythene papers into the soil.

26. Identify the method of soil formation that is aided by action of bacteria.


27. Why do maize plants develop prop roots at the time of flowering?

28. State any one function of the kidneys in the human body.

29. Mention any one way of getting natural acquired immunity.

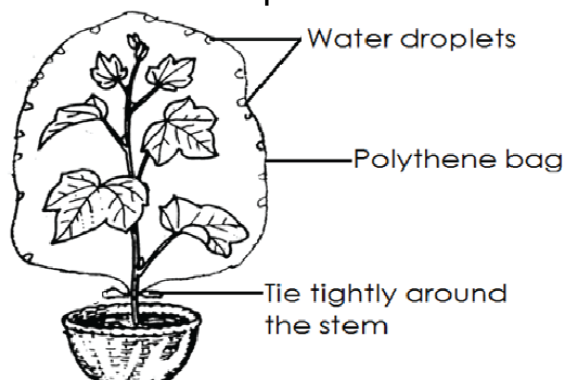
30. Why are handles of most kitchen utensils made out of wood?

31. What name is given to a condition in which one takes long without visiting the latrine/toilet?

32. Give any one cause of the condition named above.
33. State any one way of controlling the spread of malaria at home without the use of chemicals.
34. How does the farm practice shown below help to control egg eating?
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35. State any one way of preventing the entry of rats into the granary at home.
36. Mention any one way of controlling food contamination by bacteria.
37. Why is sugar cane not grouped under stem tubers yet it stores food in the stem?
38. Give any one importance of transpiration process to plants.
39. Write down any one factor that affects weathering of rocks to form soil.
40. Why do electric wires appear bent in a hot day?

SECTION B: (60MARKS)

41. Study the diagram below and answer the questions that follow.



- a) Name the plant process shown in the diagram above.
- b) State any one factor that can affect the rate of the plant process above.
- c) Mention any two ways in which plants reduce the rate of the above plant process.
- I _____
- II _____
42. a) State any two causes of malnutrition in the community.
- I _____
- II _____

b) Give any one example of diseases that can result due to poor feeding.

c) In which one way can the above diseases be controlled in the community?

43. a) Apart from deforestation, write down any two other causes of soil erosion.

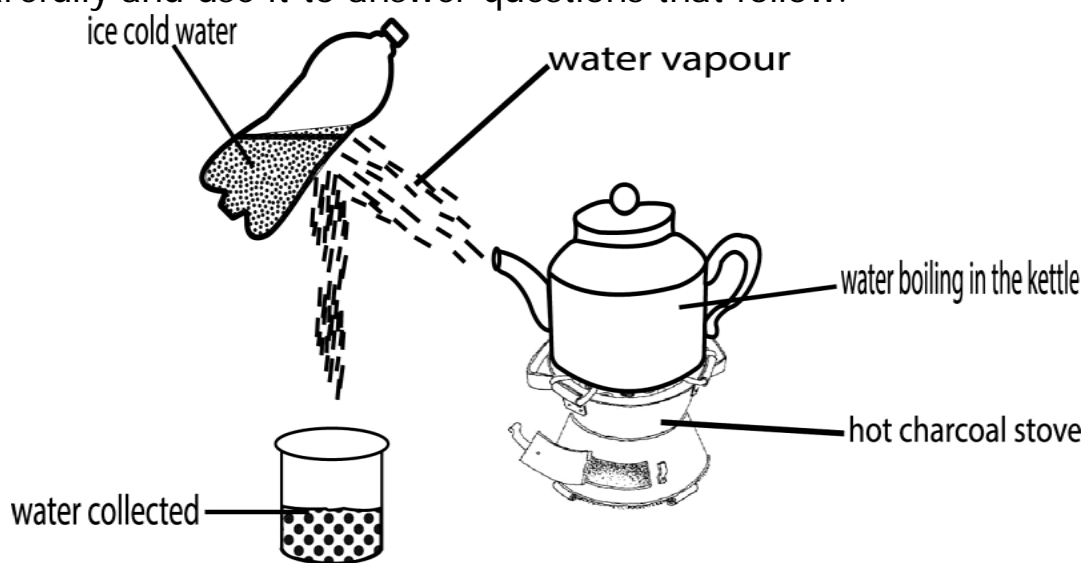
I _____

II _____

b) How does deforestation lead to soil erosion?

c) Name the type of erosion commonly experienced in flat areas with too much sand soil.

44. The diagram below shows an experiment carried out in a P.3 class of Alex Mair P/S. Study it carefully and use it to answer questions that follow.



a) Name the natural process illustrated in the above experiment.

b) How is the charcoal stove useful in the above experiment?

c) Identify any one feature represented by the kettle in the environment.

d) Give one group of living things that increase the amount of water vapour shown in the diagram above

45. a) Name the type of germination undergone by groundnut seeds.

b) Mention any two factors that make a seed fail to germinate even when the necessary conditions are present.

c) Why is a maize grain called a fruit not a seed?

46. a) Write down any two causes of sickness at home.

I _____

II _____

b) Mention any two ways in which diseases are spread in the community.

I _____

II _____

47. a) Give any one reason why some plants climb others.

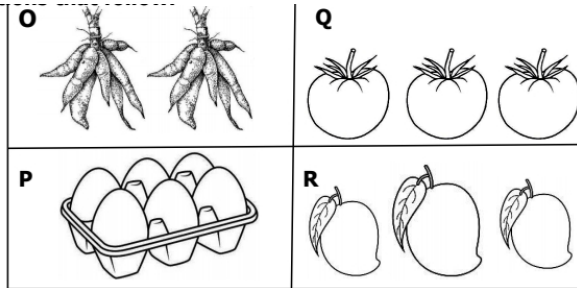
b) Write down any two methods used by plants to climb others.

I _____

II _____

c) Why are creeping stems like those of pumpkin unable to climb?

48. The diagram below shows food stuffs



a) Name the food stuff labeled O.

b) Which class of food is found in food stuff marked R?

c) Identify the source of food stuff labeled P

d) Which food stuff from the above diagram is used as a spice when frying food?

49. a) Write down any two ways in which plants benefit from animals.

I _____

II _____

b) State any one similarity between plants and animals.

c) How do plants help to purify the air in the environment?

50. a) A child was presented having skin rashes and red eyes. Name the childhood immunisable disease the child is likely to be suffering from.

b) Mention any two ways of controlling the spread of the disease named in 50(a) above.

I _____

II _____

c) At what age is the vaccine used to prevent the above disease given?

51. a) Write ORS in full as used in the treatment of dehydration.

b) Why is washing of the hands an important step in the making of ORS?

c) Why is it advisable to include sugar in ORS?

c) Apart from using ORS, give any one other way of preventing dehydration.

52. a) Name the item in the first aid box used to remove moisture in the wound.

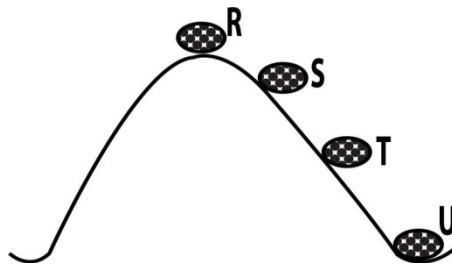
b) Give any one example of items that can cause incised wounds.

c) State any two ways of preventing poisoning at home.

I _____

II _____

53. A stone was thrown upwards and it followed a path below, study the diagram and answer the questions.



a) Identify the type of energy possessed by the stone at point R and T.

i) Point R _____

ii) Point T _____

b) Mention two forms of energy produced by the stone when it reaches point U.

I _____

II _____

54. a) Write down any two factors that can lead to weathering of rocks to form soil.

I _____

II _____

b) State one way how mulching can help to control soil erosion.

c) Besides mulching, mention any one other way of controlling soil erosion.

55. Match the items in List A with those in List B correctly:

Bile salts	To help in breakdown of proteins
Lysozyme	To clot proteins in milk
Rennin	To help in breakdown of fats
Trypsin	To kill germs in food
	To help in breakdown of cooked starch

a) Bile salts _____

b) Lysozyme _____

c) Rennin _____

d) Trypsin _____

MIDTERM TWO EXAMS

PRIMARY SIX INTEGRATED SCIENCE

NAMES: STREAM:

SECTION A: (40MARKS)

1. Name any **one** element of a clean home.

2. State any **one** importance of the water in the soil.

3. How does deforestation lead to soil erosion?

4. State any **one** similarity between a housefly and a tick.

5. What is the use of a handkerchief during personal hygiene?

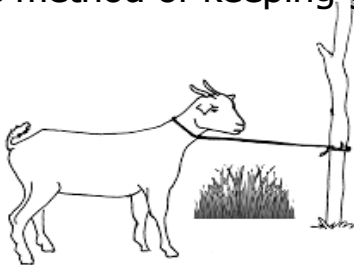
6. In which **one** condition is one referred to as an **AIDS** patient?

7. How does the slashing of bushes around homes help to prevent malaria at home?

8. How is a sun bird able to suck nectar at the base of the flowers?

9. Mention any **one** way people acquire acquire land for starting a poultry farm project.

10. Name the method of keeping goats shown in the diagram below;



11. How does painting help to prevent rusting of metals?

12. Mention any **one** factor health workers consider before prescribing drugs.

13. Give **one** reason why a clinical thermometer is sterilized using alcohol but not heating.

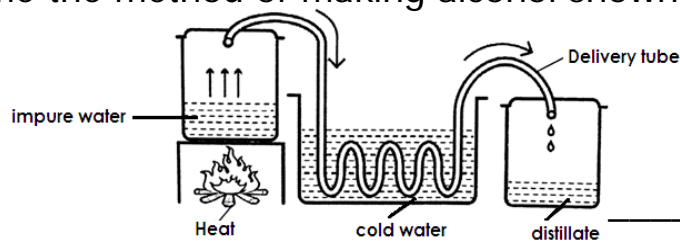
14. Write down any **one** factor that cause leaching in the soil.

15. What is the importance of quill feathers to birds?

16. State **one** reason why organisms carryout moulting.

17. State **one** way how amphibians are able to increase their chances of survival in the environment.

18. Name the method of making alcohol shown in the diagram below;



19. Why are most delivery tubes used for distillation made up of copper?

20. State any **one** danger of grasshoppers to crop farmers.

21. Name any **one** source of food in the environment.

22. How does keeping of poultry help to prevent food deficiency diseases?

23. Mention any **one** way of preventing river or bank erosion in the environment.

24. Name the force of attraction that makes it hard to finish all the porridge in the cup.

25. How does debeaking help to control egg eating in poultry?

26. Why is it a good habit to wipe the anus after pooping out?

27. By what process does the dissolved food substances move from the leaves to the roots of the plant?

28. State **one** reason why the thermometer is rather placed under the tongue not on the face during measurement of temperature.

29. What name is given to the male cones in which seeds are produced in coniferous plants?

30. Write down any **one** feature that enables tuber crop pests to dig out the tuber crops.

31. Give any **one** importance of heat transfer by radiation.

32. Name the structures in the gizzard that help to crush food into small particles.

33. State any **one** way in which plants benefit animals in the environment.

34. Write down any **one** way in which drugs are introduced into the body.

35. How is a teaspoon useful when making **ORS**?

36. What name is given to the young one of a turkey?

37. Why is it important to include beans in a crop rotation cycle?

38. How is sunlight energy useful during photosynthesis?

39. How do poultry farmers improve the quality of their local breeds of chicken?

40. State **one** importance of a latrine at school.

SECTION B: (60MARKS)

41. a) How is heat useful to a blacksmith man?

- b) Name the method of heat transfer that enables the blacksmith man to do his work.

- c) Write down any **two** raw materials used in traditional technology.
I _____
II _____
42. a) Give any **one** problem that may occur from the habit below;



- b) Kato Godwin experiences diarrhoea with mucus and blood stains in his stool. What do you think Kato Godwin is suffering from?

- c) Write down **two** active agents of the **4Fs** germ path.
I _____ II _____
43. a) Why are convalescents grouped under **vulnerable groups of people**?

- b) Mention any **two** examples of food taboos in the community.
I _____
II _____
- c) Give any **one** example of food stuff that can be given to the elderly to provide proteins.

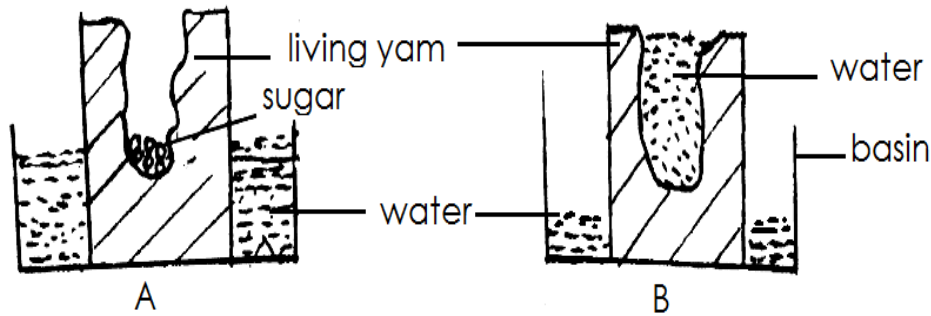
44. a) How do insects reproduce?

- b) What is the importance of an air float found on the eggs of a female anopheles mosquito.

c) Apart from slashing the bushes, mention any **two** other ways of controlling mosquitoes at home.

I _____
II _____

45. Study the experiment below carefully and answer the questions that follow it;



a) What is the experiment above about?

b) What does the peeled potato act as?

c) What does sugar act as in the experiment above?

d) Why did the water level increase as shown in diagram **B**?

46. a) Write **PHC** in full.

b) State any **two** principles of **PHC**.

I _____
II _____

c) Name the element of **PHC** promoted when we eat food rich in a balanced diet.

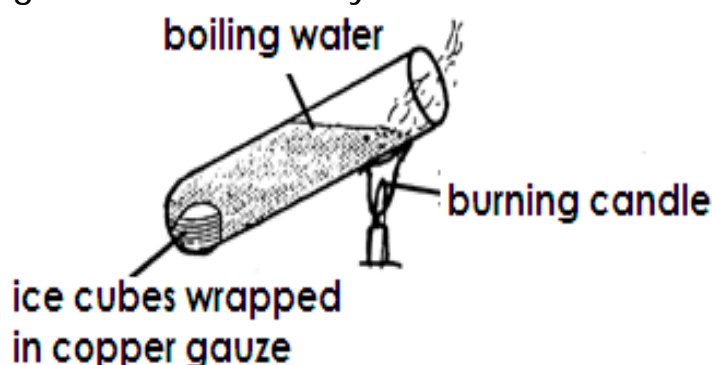
47. a) How does a guitar produce sound?

b) Give any **one** way of reducing echoes in a cinema hall.

c) Mention any **two** ways of reproducing sound stored by staff notation method.

I _____
II _____

48. Study the diagram below carefully and use it to answer the questions that follow;



- a) What does the experiment above show?

- b) What will happen to the ice cubes at the bottom of the tube?

- c) Give a reason for your answer above.

- d) Apart from water, give any **one** other example of a poor conductor of heat.

49. a) Why does the heart beat faster during physical exercise?

b) State any **two** adaptations of the Red blood cells to their functions.
I _____
II _____

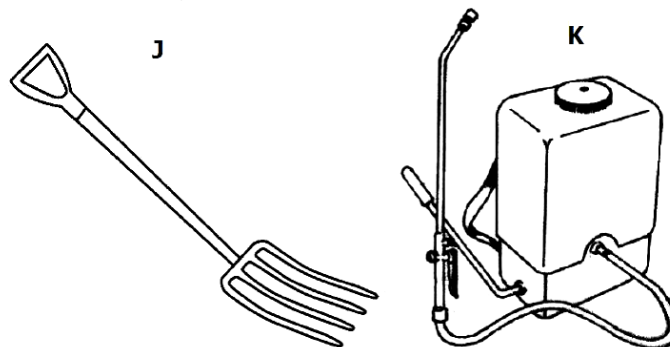
c) State the function of valves during blood flow.

50. a) What term is used to mean the removal of sick and less productive birds from the flock?

b) Mention any **two** methods used for the removal of birds from the flock.
I _____
II _____

c) Give any **one** importance of removing such birds from the flock.

51. The diagram below shows the garden tools. Use it to answer the questions.



- a) Name the garden tool marked **K**.

- b) Write down any **one** activity in the garden done using garden tool marked **J**.

- c) Write down any **two** ways of preventing rusting of garden tool marked **J**.
I _____
II _____
52. a) Give any **two** adaptations of birds of prey to their mode of life.
I _____
II _____

b) How do scavenger birds help to promote sanitation in the community?

c) To which group of birds does a cassowary belong?

53. a) Give **one** danger of eating under cooked meat.

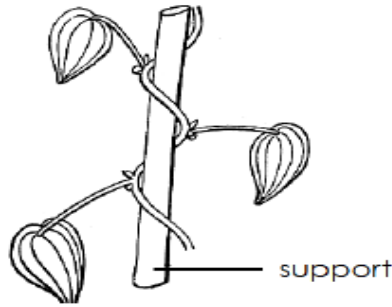
b) Suggest **one** way of preventing the danger given above.

c) Apart from tapeworms, write down any **two** other examples of intestinal worms.

I _____

II _____

54. The diagram below shows a method used by some plants to climb others



a) Name the method of climbing shown in the diagram above.

b) Give any **one** example of plant that uses the above method of climbing.

c) Give any **one** reason why such plants climb others.

d) Apart from the above method, give any **one** other method used by plants to climb others

55. a) Name any **one** way of acquiring labour when starting a poultry project.

b) Mention any **two** uses of capital when starting a poultry farm project.

c) Write down any **one** way of acquiring capital used for starting a poultry farm.

SET AND TYPED BY

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