



QUEEN MARY KINDERGARTEN AND JUNIOR SCHOOL

MID TERM 2 EXAMINATIONS 2023

Primary Six (P.6)

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 Minutes

Name: _____

SECTION A (40 marks)

1. Name the main product got from saanen goats.

2. State any one effect of floods in our community.

3. What is the importance of including sand grains in chicken feeds?

4. Define the term "immunisation"? _____

5. Give any one reason why people keep cats in their homes.

The diagram below shows an object commonly used by traders. Use it to answer the questions 6 and 7.



6. Name the object shown in the diagram above.

7. How is the above object useful to traders?

8. Name one mammal that feeds on insects.

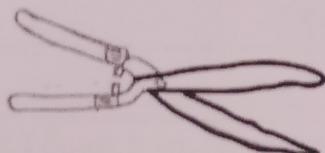
9. How is a Campbell useful to a crop farmer?

10. Outline one type of fertilizers apart from organic fertilizers.
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11. What is meant by the term "heat energy"?
-
12. Apart from boiling, give any one other way in which food can be prepared at home.
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- The diagram below shows substances used to prepare Oral Rehydration solution in factories. Use it to answer question 13.
- ```
graph TD; ORS[ORS] --> Water[Water]; ORS --> Salt[Salt]; ORS --> R[R]
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13. What is the importance of substance at R when preparing Oral Rehydration Solution (ORS)?
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14. State any one use of soil to termites.
- 
15. Apart from carbohydrates, name any one other class of food that gives the body energy.
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16. State the best method of making water safe for drinking.
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17. How does a blanket help to keep a person warm at night?
- 
18. How does smoke from the chimney move up?
- 
19. What is the importance of a constriction in the clinical thermometer?
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20. Which gas is used by food manufacturers in preserving food and some drinks?
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21. Give any one example of ceramics.

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The diagram below is of a garden tool. Use it to answer questions 22 and 23.



22. Name the garden tool shown above.

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23. Which crop growing practice is commonly done using the above garden tool?

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24. What is a mixture?

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25. Give any one example of wind musical instruments.

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26. State any one way people can prevent echoes in broadcasting studios.

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27. What enables a housefly to walk around smooth surfaces?

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28. Define the term "apiculture"?

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29. Why does a nail sink in water?

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30. What feature enables worker bees to collect nectar from different flowers?

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31. In the space below, draw a diagram to show that air exerts pressure.

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32. State any one sign of pest damage on crops.

33. Which method of heat transfer enables a mother to dry washed clothes on a wire?

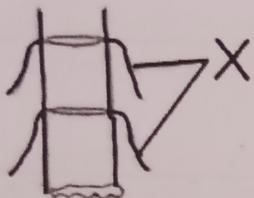
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34. What does a hook worm feed on in the human body?

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35. Apart from malaria, name one other disease spread through mosquito bites.

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36. What type of roots are shown in the figure below and marked X?

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37. Give one function of stems to plants.

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38. What name is given to the pigments found on the leaves?

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39. By what means do the roots absorb water and mineral salts from the ground?

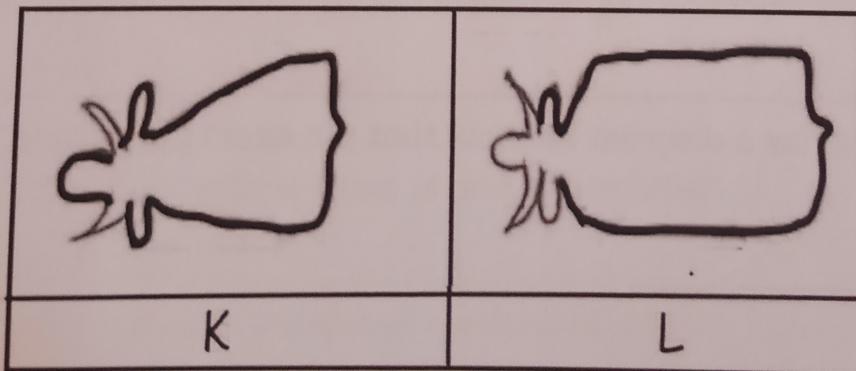
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40. Which plant system develops beneath the soil?

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### SECTION B (60 Marks)

41. Use the diagrams below and answer the questions that follow correctly.



(a) Identify the types of cattle marked K and L.

i) L \_\_\_\_\_ ii) K \_\_\_\_\_

(b) Give one example of each type of cattle.

i) L \_\_\_\_\_ ii) K \_\_\_\_\_

42. (a) What are living things?

(b) Give two characteristics of living things.

(c) Which characteristics enables living organisms to get used to the nature?

43. (a) State the property of air that enables a P.6 pupil to:

i) fly kites \_\_\_\_\_

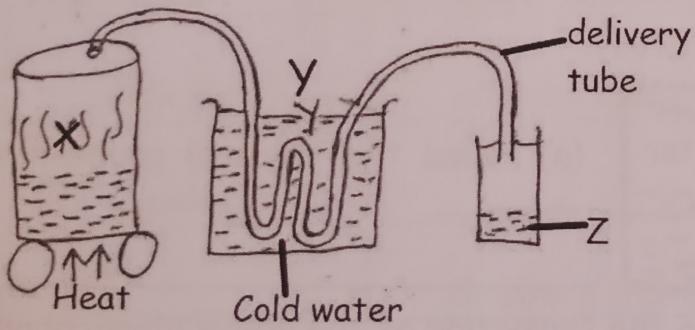
ii) wear perfumes \_\_\_\_\_

(b) Give any other two uses of air to people.

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

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

44. The diagram below shows a distillation method used to clean alcohol. Use it to answer questions that follow.



(a) Name the physical process at X.

(b) What is the role of cold water at Y?

(c) What scientific name is given to substance Z?

(d) Apart from the above method of making alcohol, name the other method people use to make alcohol.

45. (a) Which element of Primary Health Care is promoted by:

(i) washing the school uniform \_\_\_\_\_

(ii) controlling population growth \_\_\_\_\_

(b) State any two roles played by the family to promote health.

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46. In the table below, part A shows animals and part B shows the way how the animals in part A protect themselves against enemies.

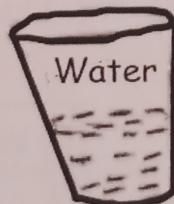
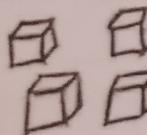
| Part A: (Animals) | Part B: (way of protection) |
|-------------------|-----------------------------|
| Cow               | Stinging                    |
| Lady bird         | Pricking                    |
| Caterpillar       | Goring                      |
| Wasp              | Produce bad smell           |

Use the ways of protection in Part B of the table and match the animals below.

- i) Cow \_\_\_\_\_
- ii) Lady bird \_\_\_\_\_
- iii) Caterpillar \_\_\_\_\_
- iv) Wasp \_\_\_\_\_

47. The diagram below shows a physical process in matter. Study and use it to answer questions that follow carefully.

Ice blocks



(a) Name the physical process shown above

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(b) What form of energy leads to the formation of the above physical process

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(c) Give any two ways in which the above physical process is useful to people.

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48. a) Give any one way in which fungi reproduce.

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b) Which fungus is used to;

(i) bake bread \_\_\_\_\_

(ii) make antibiotics \_\_\_\_\_

c) Mention any one fungal disease that attacks plants.

49. The diagram below shows two plant processes. Study and use them to answer the questions that follow.



(a) Name the plant processes marked U and V.

(i) U \_\_\_\_\_

(ii) V \_\_\_\_\_

(b) State any one factor that affects the rate of plant process marked V.

(c) Which of the above processes helps to purify air?

50. The table below shows chicken, age and the type of feeds given to them. Complete it correctly.

| CHICKEN            | TYPE OF FEEDS | AGE             |
|--------------------|---------------|-----------------|
| Chicks             | Chicks mash   | _____           |
| Broilers<br>-pollo | _____         | 8 weeks onwards |
| _____              | Growers' mash | 8 - 16 weeks    |
| Layers             | Layers' mash  | _____           |

51. Apart from animals, mention any two other natural sources of sound.

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

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

(b) State any two reasons why animals make sound.

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52. The following list of animals belongs to different classes of arthropods. Study carefully and use it to answer the questions that follow.

Tick, Locust, Millipede, Mite

(a) To which class of arthropods does a locust from the list above belong?

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(b) Which class of arthropods is not represented in the list?

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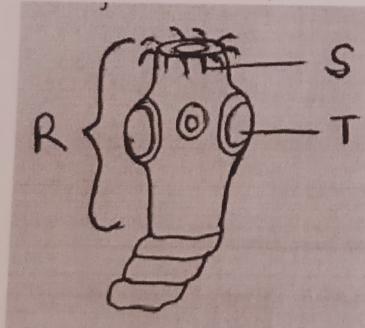
(c) Name any one animal from the list which is an arachnid.

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(d) Give any one way in which all the above arthropods are similar.

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53. The diagram below shows the head of an intestinal worm. Study it and use it to answer the questions that follow.



(a) Name the parts marked R and S.

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

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

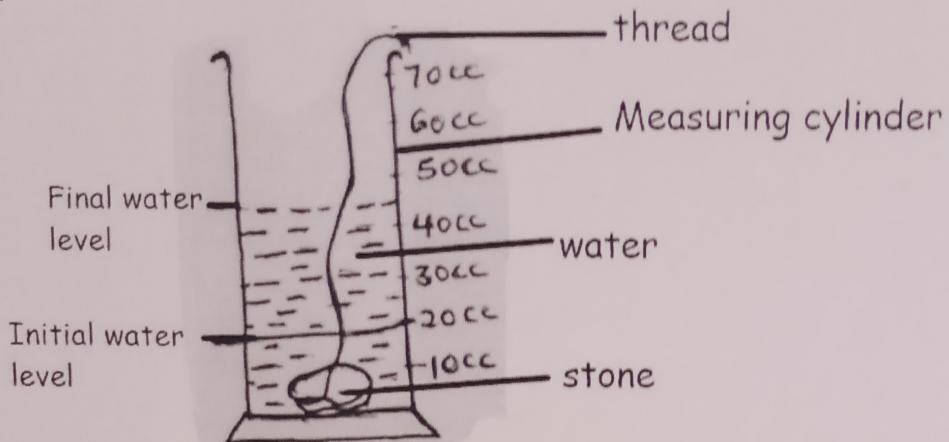
(b) State the function of part marked T.

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(c) What does the above worm feed on?

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54. The diagram below shows a method of finding volume. Use it to answer the questions that follow.



(a) Find the volume of the stone in the diagram above.

(b) Why was the above method used to find the volume?

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(c) If the stone has a mass of 120g. What would be its density?

55. Define the following terms.

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

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

iii) solution \_\_\_\_\_

iv) miscible liquids \_\_\_\_\_

Good Luck

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