

**M.I EDUCATIONAL CONSULTANCY**  
**MID –TERM ONE ASSESSMENT – 2023**  
**PRIMARY FOUR**  
**SCIENCE**

*Time Allowed: 2 Hours: 15 Minutes*

**Pupil's Name:** \_\_\_\_\_

**Pupil's Signature:** \_\_\_\_\_ **Stream:** \_\_\_\_\_

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY;**

1. This paper has two sections A and B.
2. Section A has 40 questions (60 Marks).
3. Section B has 15 questions (40 marks).
4. Attempt all questions in both sections A and B, all answers must be written in the space provided.
5. All answers must be written in **blue** or **black** ball point pen 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 ONLY**

<b>PAGES</b>	<b>MARKS</b>	<b>INITIALS</b>
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
Page 9		
<b>TOTAL</b>		

*Please Turn Over*

## **SECTION A**

1. Name any one type of soil you know.

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2. How does regular bathing control the spread of skin diseases?

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3. Identify any one way strong wind can be dangerous to a crop farmer.

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4. Write any one common accident at school.

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5. How are the ears important to a person apart from hearing?

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6. Give one way the part below is useful to a plant.



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7. Why is a balanced diet needed by every person?

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8. Identify any one way people take care of domestic animals at home.

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9. Give one way water sources can be contaminated.

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10. Draw and name any one item used to manage rainy weather.



11. How can you keep proper personal hygiene?

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12. In the space below, draw a diagram to show air has weight.



13. Mention any one way mulching is useful to farmers.

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14. Why do people eat food?

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15. How is the larva stage of a butterfly dangerous to crop farmers?

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16. Name any one disease spread by a housefly.

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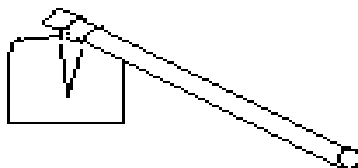
17. Write S.S.S in full.

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18. How do farmers benefit from nimbus clouds?

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19. Name the garden tools shown below.



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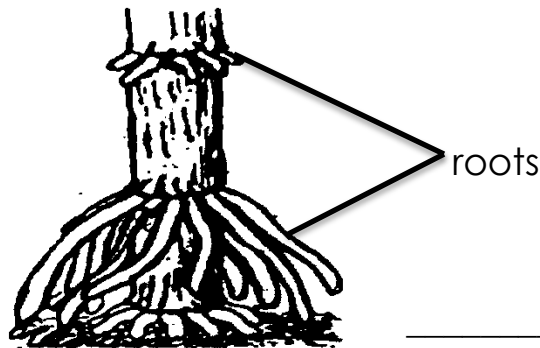
20. How can the above tool be cared for?

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21. Name the component of air that supports burning.

\_\_\_\_\_

22. Identify any one plant that has the roots shown below.



23. How are the above roots important to the plant above?

\_\_\_\_\_

24. Why is it good practice to wash hands with clean water and soap after visiting a latrine?

\_\_\_\_\_

25. Why are dehydrated people given ORS?

\_\_\_\_\_

26. How is transpiration important to the environment?

\_\_\_\_\_

27. Give a reason why a cow is regarded as a living thing.

\_\_\_\_\_

28. How is a housefly able to spread faecal disease?

\_\_\_\_\_

29. Mention any one fuel we can get from forests.

\_\_\_\_\_

30. Give one responsibility of a child at home.

\_\_\_\_\_

31. Mention any one example of a plant that has a parallel type of leaf venation.

\_\_\_\_\_

32. Name the main source of energy in the environment.

\_\_\_\_\_

33. Draw and name any play material made from banana fibres.



34. How is a dustbin useful in a classroom?

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35. Give one way of making water safe for drinking.

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36. What is soil erosion?

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37. Write 3Ds in full.

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38. State any one reason why first aid is administered to casualties.

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39. Identify one activity a farmer can carry out during wet seasons.

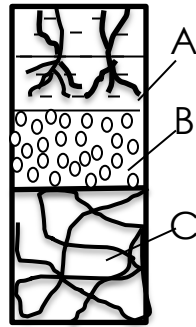
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40. Name the sense organ for tasting.

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## **SECTION B (60marks)**

41. The diagram below shows the arrangement of soil layers. Use it to answer the questions that follow.



a) Name the layers marked B and C.

i) B \_\_\_\_\_ ii) C \_\_\_\_\_

b) Why is layer A usually black and dark.

\_\_\_\_\_

c) Describe any one way of keeping soil moist.

\_\_\_\_\_

42. Briefly explain the term photosynthesis.

\_\_\_\_\_

b) How is chlorophyll useful in the above process?

\_\_\_\_\_

c) Give a reason why plants are able to carry out photosynthesis during day time.

\_\_\_\_\_

d) Name the food that is made during the process of photosynthesis.

\_\_\_\_\_

43. What is air?

\_\_\_\_\_

\_\_\_\_\_

b) Apart from carbon dioxide, give any two other components of air.

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

c) How is carbon dioxide useful in a soda factory?

\_\_\_\_\_

44. Germination is the development of seed embryo into a seedling.

a) Write two conditions needed for germination to take place.

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

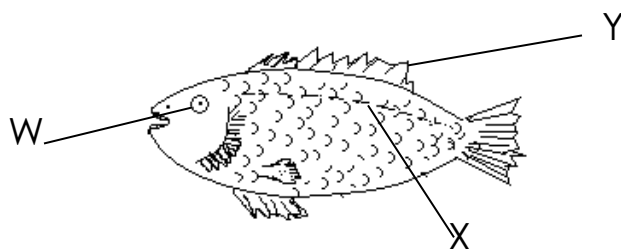
ii) \_\_\_\_\_

b) Write any one example of a crop that undergoes the following types of germination;

i) epigeal germination \_\_\_\_\_

ii) hypogeal germination \_\_\_\_\_

45. The diagram below shows a fish. Use it to answer the questions;



a) Name the parts labeled.

i) W \_\_\_\_\_ ii) Y \_\_\_\_\_

b) How useful is part marked X to the fish.

\_\_\_\_\_

c) Name the habitat of the above animal.

\_\_\_\_\_

46. Identify any two items we can use to promote good sanitation at your school.

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

b) Write any two activities a P.4 child can do to promote sanitation at school

\_\_\_\_\_

\_\_\_\_\_

47. Match the garden tools to their uses correctly.

Garden tool	Use
A hoe	watering plants
A rake	transplanting seedlings
A towel	pruning
A watering can	collecting rubbish
A garden fork	weeding

48. Why are bees grouped under social insects?

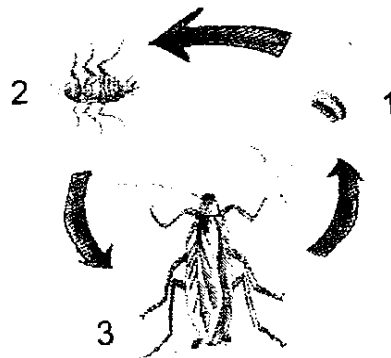
b) Apart from bees, give one other social insect.

c) How are bees useful to the following ;

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

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

49. Study the life cycle below and answer questions that follow.



a) Name stage marked 2.

\_\_\_\_\_

b) Name the vector shown in the above life cycle.

\_\_\_\_\_

c) Write one disease spread by the above vector.



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d) How can the disease mentioned in section © above be prevented?

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50. A flower is a reproductive part of a plant. Draw a female part of a flower.



b) What happens to the following plants after fertilization?

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

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

c) Why are some petals brightly coloured?

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51. Write two causes of soil erosions.

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b) How can erosion be controlled in a garden?

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

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

52. In one sentence, give the meaning of the term accident.

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b) Give two causes of accidents on Ugandan roads.

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c) Mention one way in which the above causes can be prevented.

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53. Mention any two examples of root tubers.

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b) How are roots useful to man?

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

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

54. Mention any two examples of non – flowering plants that reproduce by means of spores.

\_\_\_\_\_

\_\_\_\_\_

b) Name the two systems of a flowering plant.

\_\_\_\_\_

\_\_\_\_\_

55. The steps below shows a wrong order of making O.R.S. Re-arrange them correctly.

1. Stir the mixture until the solution dissolve.
2. Measure a litre of drinking water to a clean container.
3. Wash your hands with clean water and soap.
4. Measure eight leveled tea spoonfuls of sugar and one of salt into the container.

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***END***