OUTREACH SCHOOLS EXAMINATIONS BOARD

BEGINNING OF TERM III EXAMINATION 2023

P.4 INTEGRATED SCIENCE

Time Allowed: 2hours 15 Minutes

Pupil's Name: .....

Class: .....

School Name: .....

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 (50 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated **"For examiners' use only"** and the boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	**MARKS**	**EXR'S No.**
1 - 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 - 52		
53 - 55		
TOTAL		

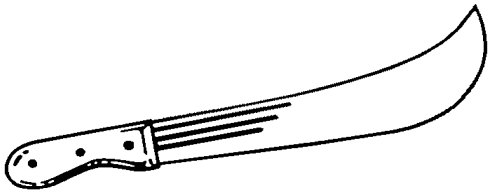
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SECTION A:

1. Name the domestic animal that lives in a kennel.

   _____

2. How useful is the garden tool below to a crop farmer?



   _____

3. Name the human body organ used for tasting.

   _____

4. How can water be made safe for drinking?

   _____

5. Give any **one** way people manage floods in the environment.

   _____

6. How is a wind vane important at a weather station?

   _____

7. Name **one** example of wood fuel used at home.

   _____

8. Give **one** importance of plants to animals.

   _____

9. Which immunisable disease causes skin rash in children?

   _____

10. Give any **one** role of a child at home.

    _____

11. Which component of air is needed for germination?

    _____

12. Name the deficiency disease one gets due to lack of proteins in the body.

    _____

13. Give any **one** reason why an ostrich can't fly.

    _____

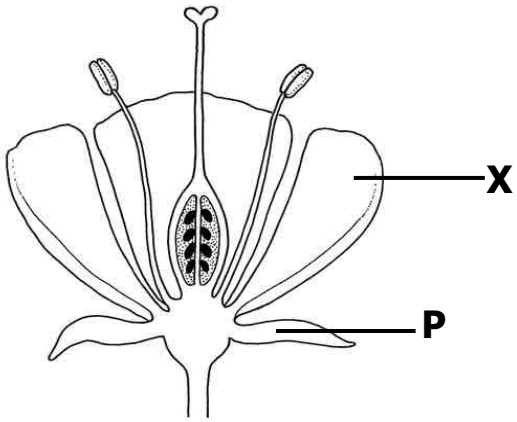
14. Write any **one** living component of soil.

    _____

15. Name any **one** way of preventing food from going bad at home.

    _____

The diagram below is part of a flower. Use it to answer questions 16 and 17.



16. Name part marked **X**.

_____

17. State **one** importance of part marked P to the flower.

_____

18. Give **one** example of a temporary house.

_____

19. Why do people always wear gumboots when going to the garden?

_____

20. **Draw a canine tooth in the space provided.**

21. How are shadows formed?

_____

22. Give any **one** danger of wind in the environment.

_____

23. Why are children advised to bathe daily?

_____

24. Write any **one** thing we get from swamps.

_____

25. Name any **one** wingless insect.

_____

26. Give any **one** way of saving energy at home.

_____

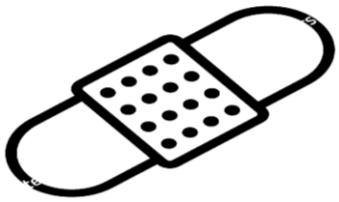
27. Name any **one** food stuff that is eaten without being cooked.

_____

28. What does a fish use for breathing?

_____

29. How useful is the tool below to a first aider?



_____

30. Give any **one** way we can care for wild animals.

_____

31. Give any **one** use of stones to people.

_____

32. Write any **one** danger of rats in our homes.

_____

33. Give **one** danger of electricity at home.

_____

34. Give any **one** reason why snakes move from one place to another.

_____

35. State any **one** advantage of having a bee keeping project at home.

_____

36. Write any **one** way we can care for AIDS patients.

_____

37. Name any **one** item we can make from animal skins.

_____

38. How many pairs of legs has a cockroach?

_____

39. Name the root system that a maize plant has.

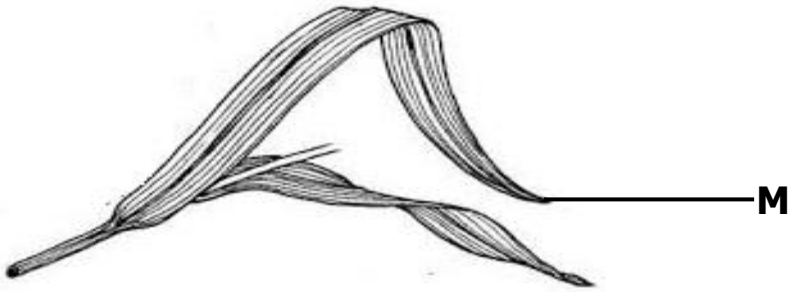
_____

40. Write any **one** reason why farmers add manure to the soil.

_____

SECTION B

41. **The diagram below is of a plant leaf. Use it to answer questions that follow.**



(a) Name the part marked **M**.

_____

(b) How is the above leaf useful to a plant?

_____

(c) Name any **two** crops with such a leaf.

(i) _____

(ii) _____

42. (a) Give any **two** reasons why we give first aid to casualties.

(i) _____

(ii) _____

(b) Name any **two** qualities of a good first aider.

(i) _____

(ii) _____

43. (a) Identify any **two** methods of preparing food for eating.

(i) _____

(ii) _____

(b) Give any **one** reason why people cook food before eating it.

_____

(c) Name **one** item we can use when cooking food.

_____

44. (a) Write any **two** causes of soil erosion.

(i) _____

(ii) _____

(b) How do farmers control soil erosion in the garden?

(i) _____

(ii) _____

45. (a) Name the component of air with;

(i) The highest percentage in the atmosphere

_____

(ii) The lowest percentage in the atmosphere

_____

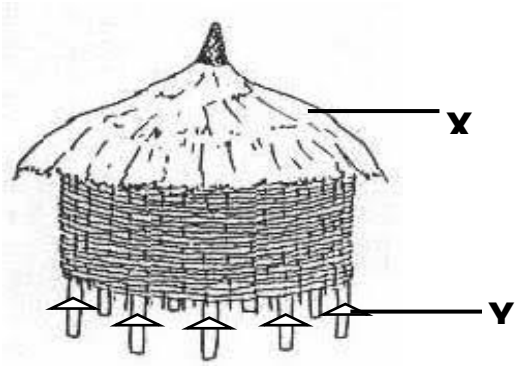
(b) Which gas is produced by plants during photosynthesis?

_____

(c) Give **one** use of moving air to people.

_____

46. **Study the crop store below and answer questions about it.**



(a) Name the crop store above.

_____

(b) Write the use of parts marked **X** and **Y** on the crop store.

X _____

Y _____

(c) Name **one** crop stored in the above store.

_____

47. (a) Write any **two** components of a clean healthy home.

(i) _____

(ii) _____

(b) Give any **two** ways of caring for the components mentioned in (a) above.

(i) _____

(ii) _____

48. (a) Write **SSS** in full.

_____

(b) List any **two** components of **SSS**.

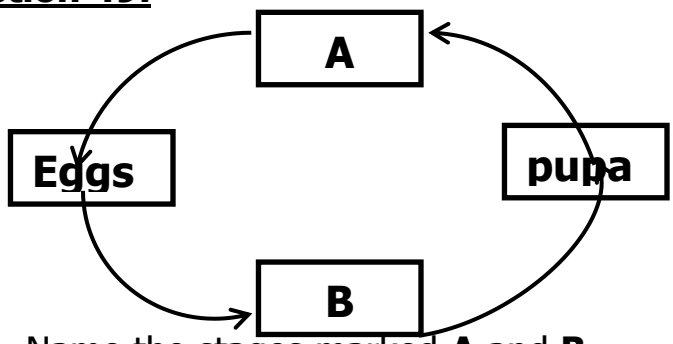
(i) _____

(ii) _____

(c) Why should diarrhoea patients be given **SSS**?

_____

The diagram below is of a life cycle of an insect. Use it to answer question 49.



49. (a) Name the stages marked **A** and **B**.

A _____

B _____

(b) Which type of life cycle is shown above?

_____

(c) Name **one** insect with such a life cycle.

_____

50. (a) How are the following parts useful to a bean seed?

(i) Cotyledon _____

(ii) Testa _____

(b) Give any **one** use of seeds to people.

_____

(c) Write **one** reason why planted seeds may fail to germinate.

_____

51. (a) What is a nuclear family?

_____

_____

(b) Name any **two** members of a nuclear family.

(i) _____

(ii) _____

(c) Give any **one** basic need of a family.

_____

52. (a) Why do people build houses?

_____

(b) Give the use of a ventilator on a house.

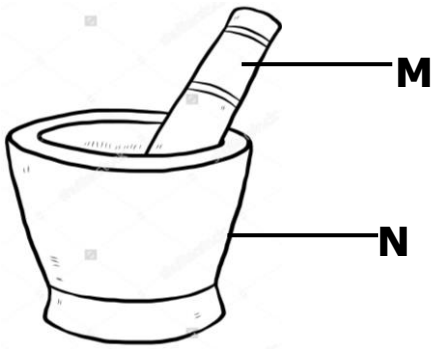
_____

(c) Write down any **two** things found in the sitting room at home.

(i) _____

(ii) _____

The diagram below is of tools used at home. Use it to answer questions that follow.



53. a) Name the tools marked **M** and **N**.

M _____

N _____

(b) From which material are the tools made?

_____

(c) Name any **one** food that can be processed using the above tool.

_____

54. (a) What is environment?

_____

_____

(b) Give any **two** living components of the environment.

(i) _____

(ii) _____

(c) Write **one** activity that destroys the environment.

_____

55. (a) Name any **two** insect vectors.

(i) _____

(ii) _____

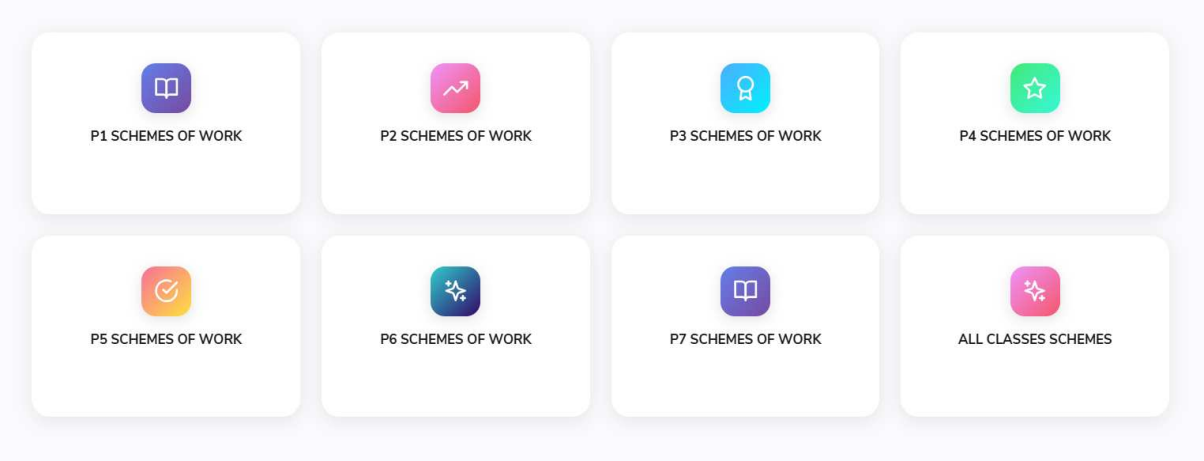
(b) Identify **one** disease spread by each of the vectors above.

(i) _____

(ii) _____

END

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