



# OUTREACH SCHOOLS EXAMINATIONS BOARD

## BEGINNING OF TERM III EXAMINATION 2023

### P.4 INTEGRATED SCIENCE

***Time Allowed: 2 hours 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

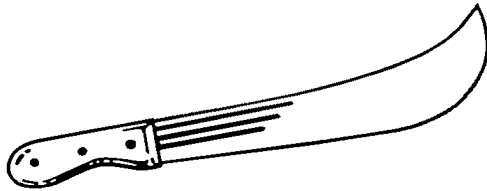
Qn. No.	MARKS	EXR'S No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

### **SECTION A:**

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

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



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3. Name the human body organ used for tasting.

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4. How can water be made safe for drinking?

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

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

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

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

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9. Which immunisable disease causes skin rash in children?

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

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11. Which component of air is needed for germination?

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

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

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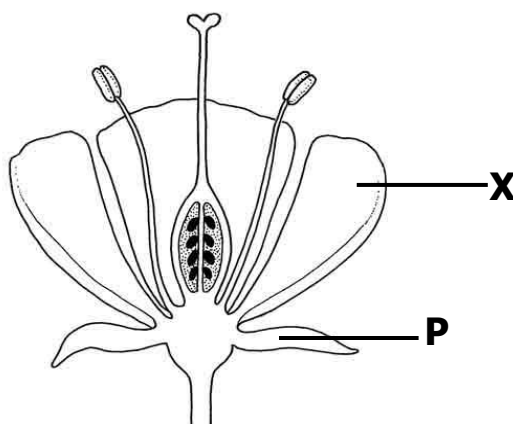
14. Write any **one** living component of soil.

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

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



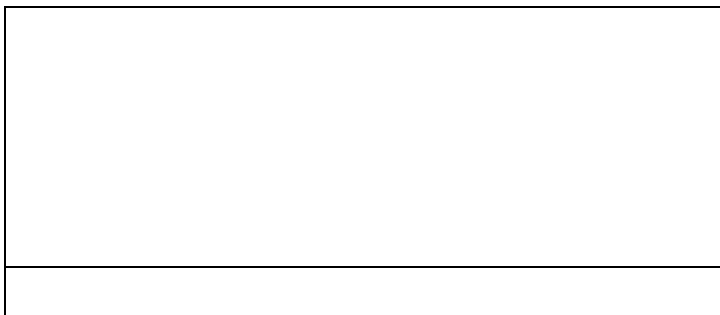
16. Name part marked **X**.

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.

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28. What does a fish use for breathing?

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



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

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

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

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

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

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

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

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

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38. How many pairs of legs has a cockroach?

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

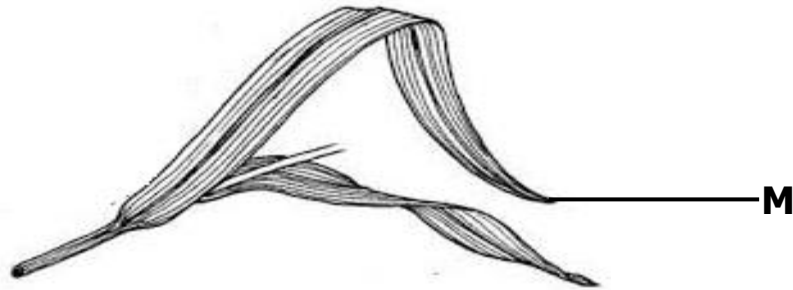
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40. Write any **one** reason why farmers add manure to the soil.

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## **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

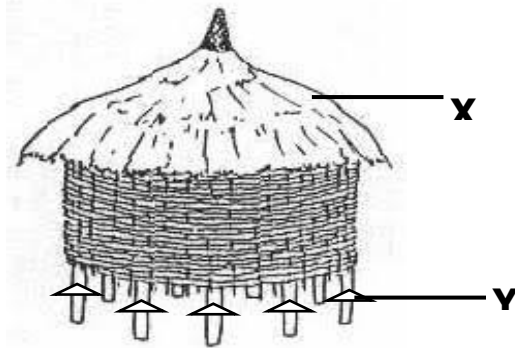
\_\_\_\_\_

(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.

\_\_\_\_\_

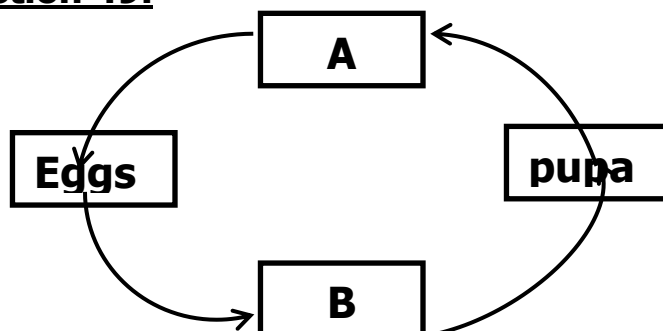
(b) List any **two** components of **SSS**.

(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?

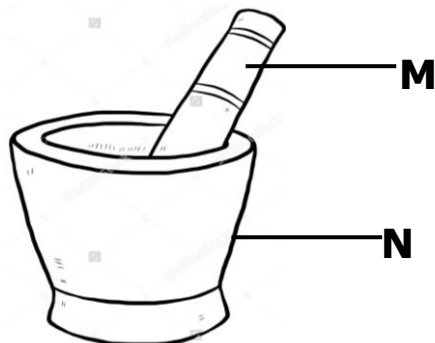
- (b) Give the use of a ventilator on a house.

(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**