



# OUTREACH SCHOOLS EXAMINATIONS BOARD

## BEGINNING OF TERM II 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. What do insects use for breathing?

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2. Why do people iron their clothes?

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3. Of what use are spiracles to an insect?

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4. John is a fish monger. Write down any one local method he can use to preserve his fish?

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5. What is the use of ventilators on a house?

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6. Rose has a skin rash , dry cough, and some fever. Which immunisable disease does she have?

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7. Where do mosquitoes lay their eggs?

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8. State any one health habit done at home.

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9. Name the layer of the soil profile that allows plants to grow.

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10. Why do people grow crops?

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11. Where does the sun set from?

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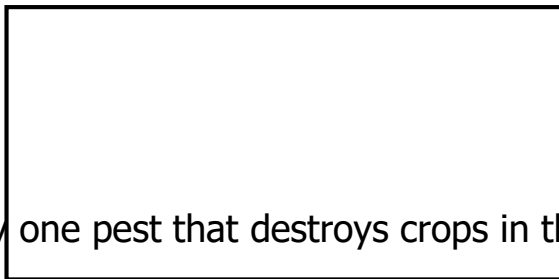
12. Mention any one element of weather.

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13. What is leaf venation?

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14. In the space below draw a stamen.



15. Name any one pest that destroys crops in the garden.

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16. What are living things?

17. Mention another word to mean surrounding.

18. Mention the component of air that supports germination.

19. Which component of air makes up 0.03% in our environment?

20. What is air?

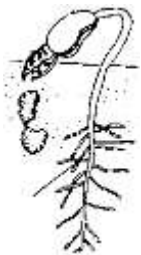
21. Name the garden tool which is used to harvest cereal crops.

22. Mention the element of weather which helps farmers to dry their crops.

23. List down any one fruit plant in the school compound.

24. Give the meaning of the word photosynthesis.

25. Name the type of germination below.



26. How is a bee useful to a crop farmer?

27. State one difference between wind and insect pollinated flowers.

28. What term is given to anything good for drinking and eating?

29. Which food value do we get from eating fish and meat?

30. \_\_\_\_\_ is the layer that covers the earth's surface.

31. Why are we advised to brush our teeth regularly?

32. How is a rubbish pit useful in a home?

33. What is the importance of planting trees in the school compound?

34. What name is given to the materials farmers use to cover their gardens?

35. State one way farmers care for their gardens.

36. What is transpiration?

37. Mention any one process involved in the rain cycle.

38. \_\_\_\_\_ is the main natural source of water in our environment.

39. State any one example of carbohydrate food.

40. What is germination?

### **SECTION B**

41. Mention the 4F's.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- iii) \_\_\_\_\_
- iv) \_\_\_\_\_

42. a) What is personal hygiene?

b) Mention two activities a primary four pupil can do during personal hygiene.

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

c) Mention any one item used to clean our bodies.

43. a) What is food contamination?

b) Mention two ways we can maintain food hygiene.

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

c) List any one way our food can be contaminated.

44. a) What are vectors?

b) List any two vectors you know.

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

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

c) Write any one disease spread by a tsetse fly to people.

\_\_\_\_\_

45. a) What is drought?

\_\_\_\_\_

b) Mention any two dangers of drought to people.

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

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

c) How can drought be controlled?

\_\_\_\_\_

46. a) What is germination?

\_\_\_\_\_

b) Mention any three conditions seeds need to germinate.

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

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

47. a) What is first aid?

\_\_\_\_\_

b) Mention two items found in the first aid box.

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

c) State one reason why we give first aid.

\_\_\_\_\_

48. a) Mention the main natural source of light and heat in the environment.

\_\_\_\_\_

b) State two uses of sun to man.

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

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

c) Mention any one danger of strong sunshine.

\_\_\_\_\_

49. a). Write down the garden tools farmers need to carry out the following farm activities.

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

- ii) Collecting rubbish \_\_\_\_\_
- iii) Turning manure \_\_\_\_\_
- iv) Transplanting seedlings \_\_\_\_\_

**50. The diagram shows the stages of the life cycle of an insect.**

**X**

**Y**

**ADULT**

a) Identify the life cycle marked

(i) X \_\_\_\_\_

(ii) Y \_\_\_\_\_

b) Identify any two examples of insects which undergo such a life cycle.

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

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

51. a) What is pollination?

b) Mention any two agents of pollination you know.

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

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

c) Mention the insect that pollinates flowers at night.

\_\_\_\_\_

52. a) Mention any two properties of air you know.

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

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

b) Name the component of air we breathe in.

\_\_\_\_\_

c) Which component of air supports seeds to germinate?

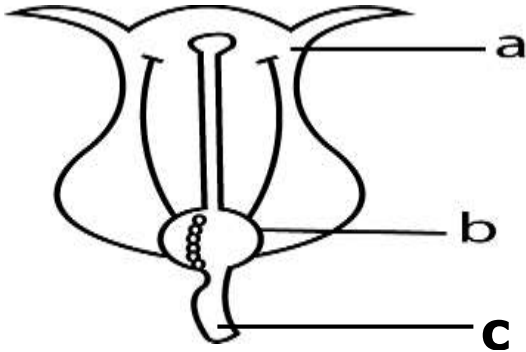
\_\_\_\_\_

**53. Complete the table correctly.**

Sense	Sense organ
Seeing	_____
_____	Ear
Feeling	_____
_____	Nose

54. a) What is a flower?

b) **Name the parts of the pistil shown below.**



a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

55. a) State two reasons why animals move from one place to another.

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

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

b) Mention the weapon used by the following animals to protect themselves.

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

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

***END***