

KEEN EXAMINATIONS BOARD

END OF TERM 1 EXAM 2024

PRIMARY FOUR

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes



Name: _____

School: _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may 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.

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Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

HEAD OF DEPARTMENT

Wasswa Owen

Turn over

SECTION A

1. Name the gas that supports burning.

2. Why do we boil water for drinking?

3. What name is given to food made by green plants?

4. Give one way of controlling polio.

5. Write down one animal that can live both on land and in water.

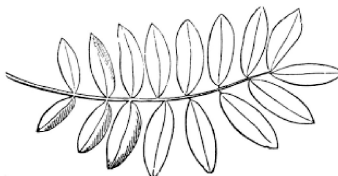
6. What is a seedling?

7. Name the sense organ for hearing.

8. Why do some plants climb others?

9. Write P.H.C in full.

The diagram below shows a type of leaf. Study it and answer question 10.



10. Name the type of leaf shown above.

11. Give one way people contaminate water.

12. Give one method of controlling soil erosion in hilly areas.

13. Why can't plants make their own food at night?

14. How do insects reproduce?

15. How is rusting similar to burning?

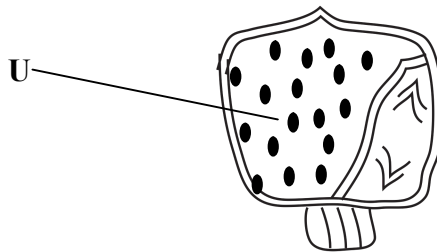
16. Name one place where germs are found.

17. Give one exotic breed of rabbit.

18. Why do some objects float on water?

19. How are flowers important to plants?

The diagram below is of a maize seed. Use it to answer question 20.



20. Name the part labelled **u**.

21. How are gills useful to a fish?

22. State any one good eating habit.

23. Why can't a mushroom make its own food?

24. Write any one perennial crop.

25. Why is breast milk the best food for babies?

26. Give one example of a leaf vegetable.

27. How does a chameleon protect itself from danger?

28. What is soil profile?

2

9. Why is loam soil the best for crop growing?

The diagram below shows a garden tool. Use it to answer question 30.



30. Name the garden tool shown above.

31. Mention one group of living things in the environment.

32. Write HIV in full.

33. What is transpiration?

34. Name the vector for rabies.

35. Give any one example of a root tuber.

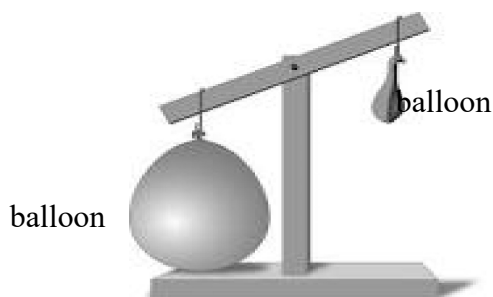
36. Mention one traditional method of preserving fish.

37. State any one weather condition.

38. How is wind useful to man?

39. Name the insect which pollinates flowers at night.

Study the experiment below and answer question 40



40. What is the experiment showing about air?

SECTION B (60 marks)

(Each question carries 4 marks)

41. (a) What is pollination?

(b) Give any one type of pollination.

(c) What is the role of a bee in the process of pollination?

(d) Give any one characteristic of insect pollinated flowers.

42. (a) What is a vector?

- (b) **Match the vectors in List A to the diseases they spread in list B.**

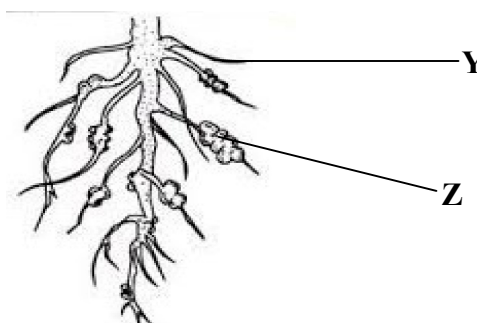
LIST (A) VECTOR	LIST (B) DISEASE
Female anopheles mosquitoes	Sleeping sickness
Cockroaches	Malaria
Tse-tse flies	Dysentery
	scabies

- (i) Female anopheles mosquito _____
- (ii) Cockroaches _____
- (iii) Tse-tse flies _____

43. (a) Write O.R.S in full.

- (b) What is the first step when preparing O.R.S?

44. **The diagram below shows a taproot system. Study it carefully and answer the questions that follow.**



- (a) Name the structure marked with letter **Z**.

- (b) What is the function of the part marked with letter **Y**.

_____ G

Give two examples of plants with the root system shown above.

- (i) _____

(ii) _____

45. (a) State three elements of weather.

(i) _____

(ii) _____

(iii) _____

(b) What is the use of wind vane?

46. (a) What are social insects?

(b) Give any three examples of social insects.

(i) _____

(ii) _____

(iii) _____

47. Name four diseases in infants that can be prevented by immunization.

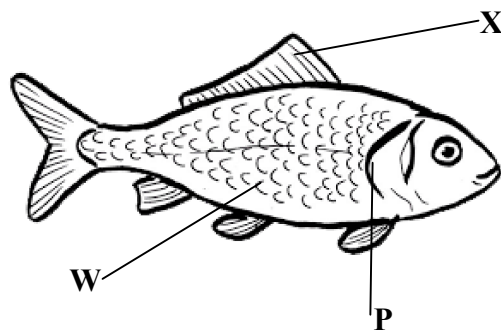
(i) _____

(ii) _____

(iii) _____

(iv) _____

48. **The diagram below shows a fish. Study it carefully and answer the questions that follow.**



(a) Name the habitat for fish.

(b) Name the parts labelled;

- (i) **W** _____
(ii) **X** _____

(c) State the function of the part marked with letter **P**.

49. (a) Name the type of soil used for making the following.

(i) pots _____

(ii) glass _____

(b) Apart from humus, give any other component of soil.

(c) How can a farmer make soil more fertile?

50. (a) What is personal hygiene?

(b) Name any two ways you can keep your body clean.

(i) _____

(ii) _____

(c) Why do we bathe daily?

51. (a) Give any one example of a domestic bird.

(b) Write down one sign of a sick bird.

(c) Give two reasons why people keep birds at their homes.

(i) _____

(ii) _____

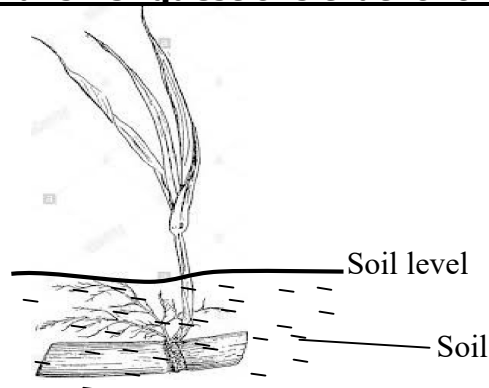
52. (a) What name is given to the place where seeds are first planted?

(b) List down three uses of a nursery bed.

(i) _____

- (ii) _____
- (iii) _____

53. **Study the diagram below and answer questions that follow.**



(a) Which type of propagation is shown in the diagram?

(b) Suggest three plants propagated by means of stem cutting.

- (i) _____
- (ii) _____
- (iii) _____

54. (a) What is food path?

(b) Mention any two types of food path.

- (i) _____
- (ii) _____
- (c) Identify the first stage in food path.

55. Draw and name four materials used for sanitation.

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