



# THE PRIME EXAMINATIONS 2024

## P.4 END OF TERM I INTEGRATED SCIENCE

Time allocated 2 hours 15 minutes



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### READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has two sections: A and B. Section A has 40 questions (40 Marks) and Section B has 15 questions. (60 Marks)
2. Answer ALL questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil will not be marked.
4. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
5. Do not fill anything in the table indicated  
"FOR EXAMINERS' USE ONLY"

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (PEC)

### PUBLISHERS OF:-

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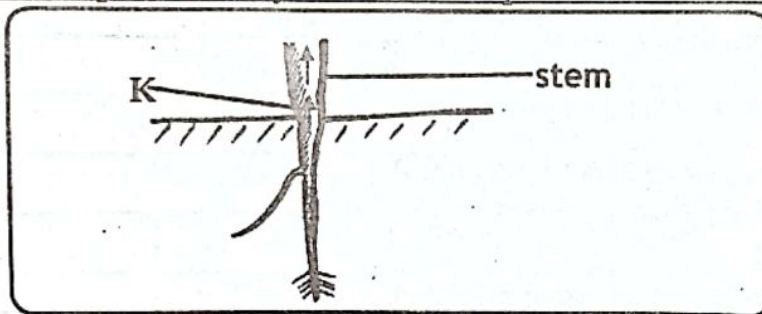
Turn Over

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Section A (40 Marks)

1. Name the male part of a flower.
2. Give any one way how cholera can be prevented at home.
3. Why is harvesting of crops normally done during the dry season?
4. Name the weather instrument used for measuring the amount of rainfall received in an area.
5. How are bees useful to crop farmers?
6. Which component of air occupies the highest percentage in the atmosphere?

The diagram below shows the process involved in water movement towards and in the plant. Study it to answer questions 7 and 8.



7. Identify the process marked with letter K from the diagram above.
8. Give the use of the root cap to a plant.
9. Mention the main source of water in the environment.
10. In which way does sleeping under a treated mosquito net help to prevent the spread of malaria?
11. Why are petals of some flowers brightly coloured?
12. Mention any one item that can be made out of clay soil.



13. State one use of dogs in a home.

14. Why is transplanting commonly done in the evening?

15. Name any one example of flowering plants in the environment.

16. *Kato a P.4 child does not usually brush his teeth.* State one possible danger that is likely to happen to his teeth.

The table below shows different types of soil. Study it carefully and use it to answer questions 17 and 18.

Types of soil	Soil A	Soil B
Characteristics	Has a lot of humus	Sticky when wet

17. Which of the above types of soil would you use for growing maize?

18. Why would you use the above type of soil for growing maize?

19. Give the meaning of the term *wind*.

20. Write any one example of an item used in promoting personal hygiene.

21. Why do we boil water for drinking?

22. How is the sun useful to people?

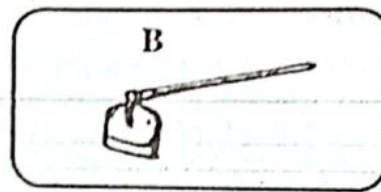
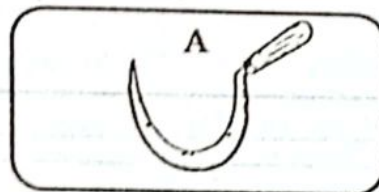
23. Give the use of the nose to people.

24. Mention the gas needed for crops during a dry season.

25. Give one way of caring for crops in dry season.

26. Name the insect that commonly pollinates flowers at night.
27. Mention any one activity at home that is done using water.
28. Give one use of leafy crops like cabbages to man.
29. What name is given to the *first help given to a person who has got an accident?*
30. State the use of a latrine in a home.

The diagram below shows different garden tools. Study and use it to answer questions 31 and 32.



31. Identify the garden tool marked A above.
32. State the use of the garden tool marked B above to a crop farmer.
33. What structure do fish use for breathing?
34. Write down any one type of germination.
35. Give one importance of grooming long fingernails short.
36. Which method of planting crops involves the use of a tape measure?
37. Mention one product that is made out of sisal.
38. Name the type of clouds that give us rain.
39. State any one importance of leaves to plants.
40. Give the use of the anther head to a flower.



**Section B (60 Marks).**

41. (a) Give the meaning of the term ***pollination***.

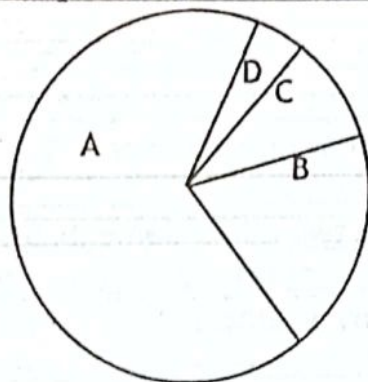
(b) Write any ***two*** agents of pollination.

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

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

(c) How is pollination useful to plants?

42. The diagram below shows different parts of air. Study it carefully and use it to answer the questions that follow.



(a) Identify the parts of air marked with letters.

(i) A \_\_\_\_\_ (ii) B \_\_\_\_\_

(b) State any ***one*** use of the part of air marked with letter B to people.

(c) Give any ***one*** property of air.

43. (a) ***Apart from cows***, give ***two*** other examples of domestic animals.

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

(b) Mention ***one*** product got from cows.

(c) How can a farmer care for cows?

44. (a) Name the type of family where we find parents and their biological children.

(b) Give any ***one*** advantage of the above type of family.

(c) State any two roles of children in a family.

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

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

45 Match the items below carefully, relating the garden tools to their use.

A	B
Garden trowel	pruning
Forked hoe	harvesting cereals
Sickle	transplanting seedlings
Secateurs	digging in stony areas
Garden trowel	_____
Forked hoe	_____
Sickle	_____
Secateurs	_____





46 (a) Name the type of clouds that show fine weather.

(b) *Apart from cloud cover*, name two other elements of weather.

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

(c) State one way of managing rainy weather.

47. The table below shows practices carried out by P.4 pupils in a certain school. Study it carefully and use it to answer the questions that follow.

			
bathing	brushing teeth	washing clothes	fighting

(a) Identify two of the above practices that help to prevent diseases.

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

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

(b) Which of the above practices is dangerous to one's health?

(c) Name any one item used when bathing.

48. (a) Give the meaning of the term **weeding**.



(b) Write any two examples of weeds that you know.

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

(c) State any one way of controlling weeds in the garden.

49. (a) State what happens to the following after fertilization.

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

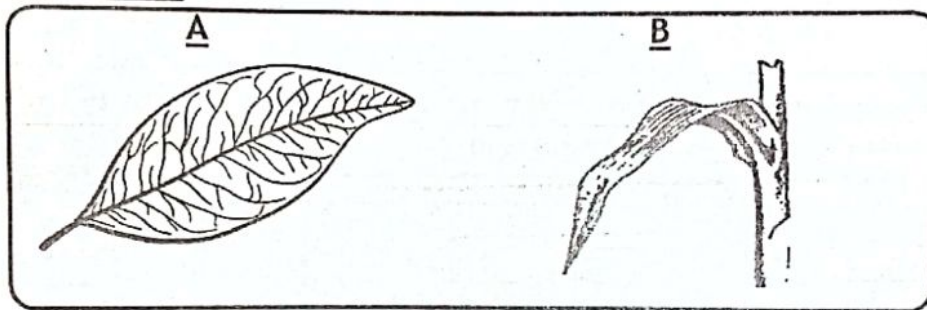
(ii) Ovules \_\_\_\_\_

(b) Mention two ways in which flowers are useful to people.

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

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

50. The diagram below shows different leaves. Use it to answer the questions that follow.



(a) Identify the type of leaf venation represented by leaf marked B.

(b) Give any one example of a plant with leaf venation marked B.

(c) Name the type of root system possessed by plants with;

(i) leaf A \_\_\_\_\_

(ii) leaf B \_\_\_\_\_

51. (a) Write down two conditions needed for photosynthesis to take place.

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

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

(b) How do animals benefit from the process of photosynthesis?

(c) Why can't photosynthesis occur at night?

52. (a) Apart from rats, give other two examples of crop pests.

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

(b) Mention one crop growing practice that helps to control pests in the garden.

(c) How do rat traps help to control rats as pests in the granary?

53

(a) Name two main sources of food in the environment.

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

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

(b) Give any two reasons why people eat food.

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

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

54

(a) State any two PIASCY messages.

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

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

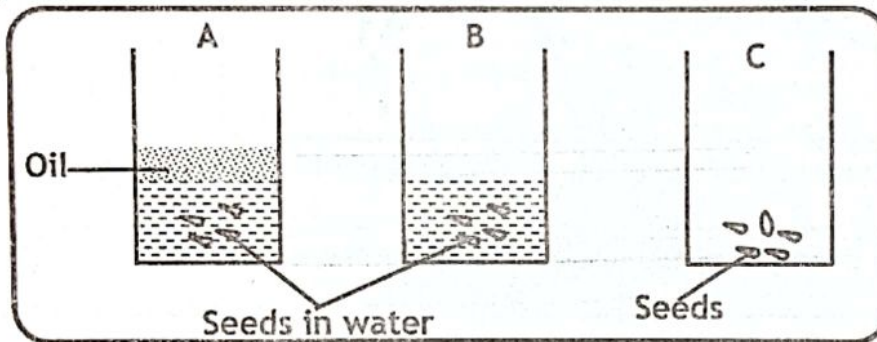
(b) Give two ways of caring for people with HIV.

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

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

55

The illustrations below show an experiment on germination. Study them carefully to answer the questions that follow.



(a) In which container did the seeds;

(i) germinate \_\_\_\_\_

(ii) fail to germinate \_\_\_\_\_

(b) State the reason for the behaviour of seeds in container C.

\_\_\_\_\_

(c) Give one cause of seed dormancy.

\_\_\_\_\_