



THE **PRIME** EXAMINATIONS 2023  
**PRIMARY FOUR BEGINNING OF TERM III**  
**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"**

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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)

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Turn Over

**Section A. (40 Marks)**

1. Name any one food stuff eaten by people at home.

2. Write any one of the 4Fs.

3. Which body organ is affected by scabies?

4. *Jane is 4 years old.* What set of teeth does Jane have?

5. Name any one type of pollination.

6. Give any one element of a clean home.

**The diagram below shows a practice done in promoting personal hygiene. Study and use it to answer questions 7 and 8.**



7. Name the practice shown in the diagram above.

8. How does the above practice promote personal hygiene?

9. State any one way of keeping cooked food clean.

10. Give one use of carbon dioxide as a component of air to man.

11. In the space below, draw and name a material used for cleaning a kitchen.



12. How do bed bugs affect humans?

13. Why are plants unable to make food at night?

14. Write down one disease of teeth.

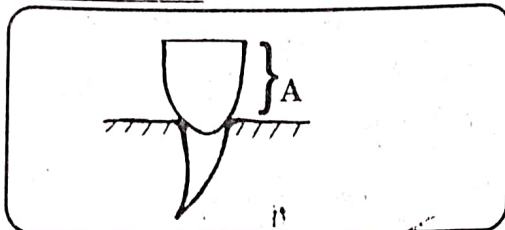
15. Mention any one material used for trimming finger nails.



16. State any one way of managing rainy weather.

17. How are **vectors** different from **germs**?

The diagram below shows regions of a tooth. Study and use it to answer questions 18 and 19.



18. Name the region of the teeth marked A.

19. Name the outer most part of the region marked A.

20. Why are we advised to plant some trees and grass on a school compound?

21. Name the habitat of a spider.

22. Give the main reason for giving first aid to a casualty.

23. Which mineral salt do we obtain from eating sea weeds?

24. Name any one living component of the environment.

25. State a difference between **millet plants** and **bean plants** in terms of germination?

26. Mention any one bi-product of photosynthesis.

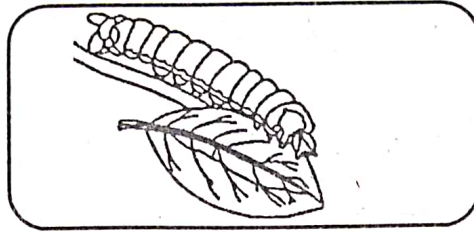
27. Name the part of plant used by people for decoration.

28. State any one activity done during clearing of land.

29. Give the meaning of the **term fuel**.

30. Name the structure used for storing harvested crops.

The diagram below shows a crop pest. Study and use it to answer questions 31 and 32.



31. Name the crop pest shown above.
32. How does the above pest affect crops?
33. Name any one garden tool used for ploughing land.
34. State the use of a wind vane to a meteorologist.
35. Why are people advised to sanitize hands regularly?
36. Name the body organs used for carrying out gaseous exchange.
37. Which part of a maize grain stores food for the embryo during germination?
38. Give any one reason why people eat food.
39. State one characteristic of loam soil.
40. Why do we wear gloves when picking dirt?

### Section B (60 Marks)

41. (a) Give the **main natural** source of water in the environment.
- (b) State any two uses of water in soil.
  - (i)
  - (ii)
- (c) Give any one practice done by crop farmers to keep water in soil.
42. (a) Name any two examples of accidents that occur at home.
  - (i)
  - (ii)

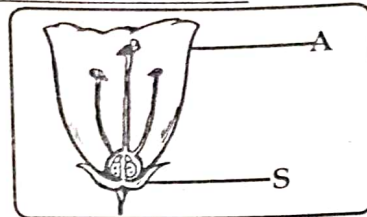


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(b) Mention any one cause of accident at home.

(c) Give any one way of preventing accident at home.

43. The diagram below shows the external parts of a flower. Study and use it to answer the questions that follow.



(a) Name the part marked A from the diagram above.

(b) At what stage is part marked S important to a flower?

(c) How does part A enable pollination to take place?

(d) State one use of flowers to people.

44. (a) Name any two examples of harmful insects.

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

(b) Give any one way harmful insects are dangerous to people.

(c) State any one way we can prevent the breeding of harmful insects.

45. Match the body organs in list A and their functions in list B.

List A	List B
(i) Heart	for thinking.
(ii) Brain	for pumping blood.
(iii) Kidney	for feeling.
(iv) Skin	for filtering blood.
(i) Heart	_____
(ii) Brain	_____
(iii) Kidney	_____
(iv) Skin	_____

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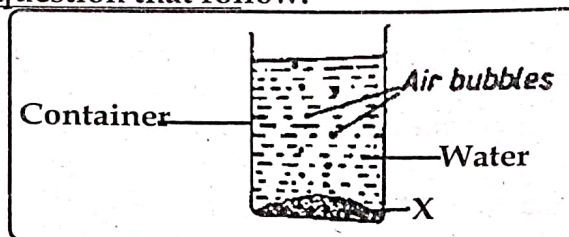
46. (a) *Apart from soya beans*, name any two other examples of plants that store food in pods.

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

(b) Give any one characteristic of legumes.

(c) Name the food value got from eating legumes.

47. The experiment below is about components of soil. Study and use it to answer question that follow.



(a) Name the part marked X in the experiment.

(b) What does the experiment prove about soil?

(c) Mention any one living component of soil.

(d) Name any one living organism that helps to aerate soil.

48. (a) Give any two methods of preserving food.

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

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

(b) State any one reason for preserving food.

(c) Name the organism that cause food to go bad.

49. (a) Give the meaning of *personal hygiene*.



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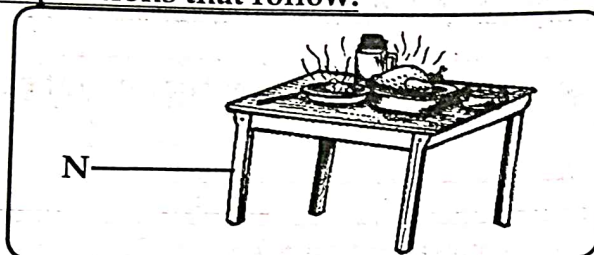
(b) State any two ways of promoting personal hygiene.

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

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

(c) How does washing of hands promote health?

50. The diagram below shows food being served on a table. Study and use it to answer questions that follow.



(a) How useful is part marked N on the diagram?

(b) Name any one vector that is likely to contaminate the food above.

(c) *Apart from one mentioned in (b)*, give one other way of preventing germs from contaminating food.

(d) Name any one source of food in the environment.

51. (a) Besides climbing stems, mention two other types of stems.

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

(b) Give two ways how climbing stems get support.

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

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

52. The table below shows vectors and diseases spread. Study and use it to complete correctly.

Vectors	Diseases spread
(i) Female anopheles	_____
(ii) _____	River blindness
(iii) Water snail	_____
(iv) _____	Typhoid

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53. The diagram below is about weather. Study and use it to answer questions that follow.



- (a) Name the **type of weather** shown in the diagram above.
- (b) State any **one** activity done in the type of weather shown in the diagram above.
- (c) State any **two** dangers of too much rain in an area.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
54. (a) Name the **two** types of leaves.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) State any **one** use of leaves to people.
- \_\_\_\_\_
- (c) Give any **one** use of leaves to plants.
- \_\_\_\_\_
55. (a) Name any **two** pottery items that you know.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) Mention any **two** plants that can grow well in swamps.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_