



# THE PRIME EXAMINATIONS 2023

## PRIMARY FIVE 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"**

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:

*[Signature]*

Consultant

Integrated Science Department (FEC)

#### PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES  
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

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Turn Over

**Section A (40 Marks)**

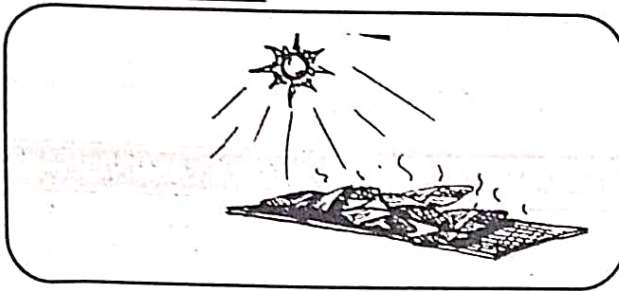
1. Apart from cassava, mention any one example of a root tuber.

2. Why do people keep animals at home?

3. State one way "air exerts pressure" is used in our daily life?

4. How useful is the child health card to parents?

The diagram below shows a method of preserving food. Use it to answer questions 6 and 7



5. Name the method of preserving food shown in the diagram above.

6. How does the above method preserve food?

7. Give one importance of earth worms to the soil?

8. State the importance of canine teeth to carnivores.

9. Write any one difference between mass and volume.

10. Give any one importance of bacteria to crop farmers.

11. Which body injury requires the use of splints?

12. Name any one useful product got from bees.

13. Give the use of soap in promoting personal hygiene.

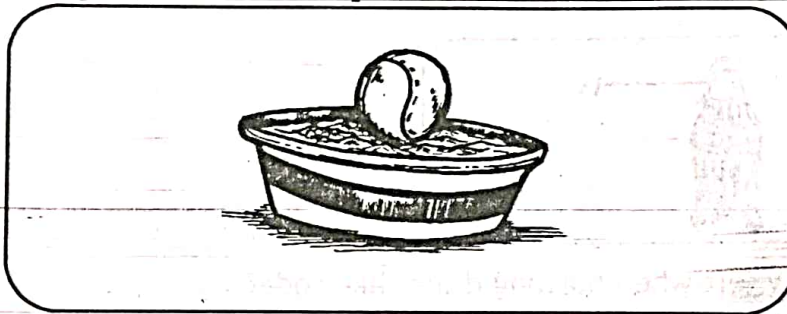
14. State any one biological method of controlling pests that affect tuber crops.

15. Mention any one example of a non-flowering plant.

16. Which organ is used for tasting presence of sugar in porridge?

17. Give any one reason why mercury is commonly used in thermometers.

**WARNING: Not to be reproduced electronically!!**  
The diagram shows a ball put in water. Use it to answer questions 18 and 19.



18. Why did the ball float on water?

19. Apart from a ball, name any one other example of an object that can behave like a ball when put on water.

20. Name any one insect that pollinates flowers at night.

21. Why is clay soil poorly aerated?

22. Give any one way of controlling soil erosion in a school compound.

23. State any one way how a baby acquires natural immunity.

24. Mention any one crop that grows well in wetlands.



25. Why is it advisable to smoke pit latrine?

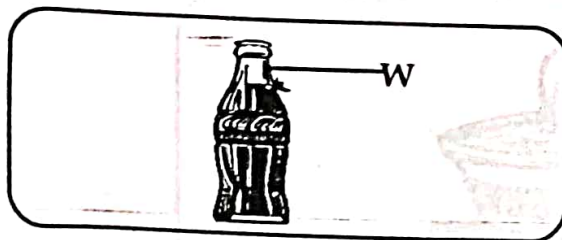
26. Give any one use of a spur to a cock.

27. State any one role of a child at home.

28. How are carrots propagated?

29. Apart from egg eating, write any one other example of a poultry vice.

The diagram below is of a bottle of a soda. Use it to answer questions 30 and 31.



30. Why is space W left when bottling drinks like soda?

31. Name the component of air commonly used in such drinks.

32. Why is a rain gauge placed in an open space?

33. How does a mushroom reproduce?

34. Give any one use of heat in the environment.

35. Name the vector that spreads bubonic plague to people.

36. State one use of a dustbin in a home.

37. What name is given to clear a liquid collected after filtering a mixture?

38. State any one way of improving soil fertility.

- 39) Give one reason for brushing our teeth after every meal.

- 40) Why is a sugarcane plant not regarded as a root tuber?

Section B (60 Marks).

- 41 (a) How do bacteria reproduce?

(b) Mention any two places where bacteria can be found.

\_\_\_\_\_

- (c) How are nitrifying bacteria important to farmers?

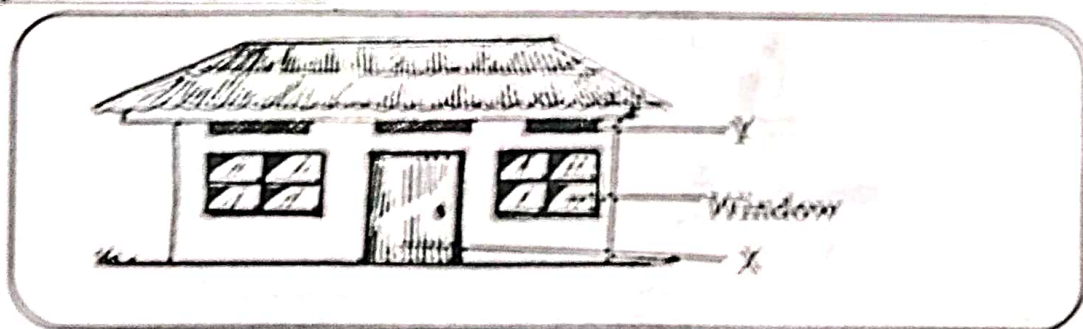
42. (a) Name any two examples of body sense organs.

(11) \_\_\_\_\_ (11)

- (b) How is the skin different from the tongue in terms of function?

- (c) Write any one way of caring for the skin.

43. The diagram below shows circulation of air in a house. Use it to answer questions that follow.



- (a) Give the importance are the following parts on a living house.

00X

(H) Y



(b) Give a reason why people are not allowed to sleep with cattle in the same house,

(c) Why is structure Y constructed above windows?

44 (a) Give the meaning of the term **swarming**.

(b) Why do bees swarm? (Give two reasons)

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

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

(c) State any one importance of bees in the environment.

45 (a) How does crop rotation;

(i) **improve on soil fertility**

(ii) **control pests in the garden**

(c) State any two advantages of crop rotation.

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

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

46. (a) Name any two examples of childhood immunisable diseases.

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

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

(b) Mention any two childhood diseases immunised against at birth.

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

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

47. The diagram below shows a crop growing practice. Study it and answer questions that follow.



(a) Which crop growing practice is shown in the diagram above.

(b) Name the materials marked X.

(c) How are the materials marked X important to farmers?

(d) Give one way how materials marked X can become dangerous to crop farmers.

48. (a) Apart from bacteria, name one other type of germs in the environment.

(b) How are bacteria dangerous to humans? (Give two)

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

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

(c) Give any one way of killing germs.

49. (a) State any two uses of water to man.

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

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

(b) Give any two ways how water is misused in the environment.

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

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

50. Study and complete the table below about the digestive system.

Organ	Digestive juice produced
_____	saliva
stomach	_____
_____	pancreatic juice
small intestines	_____

51. (a) Mention any one exotic breed of rabbit.

(b) Name any two diseases of rabbits.

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

(c) Why is a rabbit hutch made of a wire mesh?

52. (a) Which system of rearing poultry is commonly practiced in rural areas?



(b) Give any two advantages of keeping poultry using the system mentioned in (a) above.

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

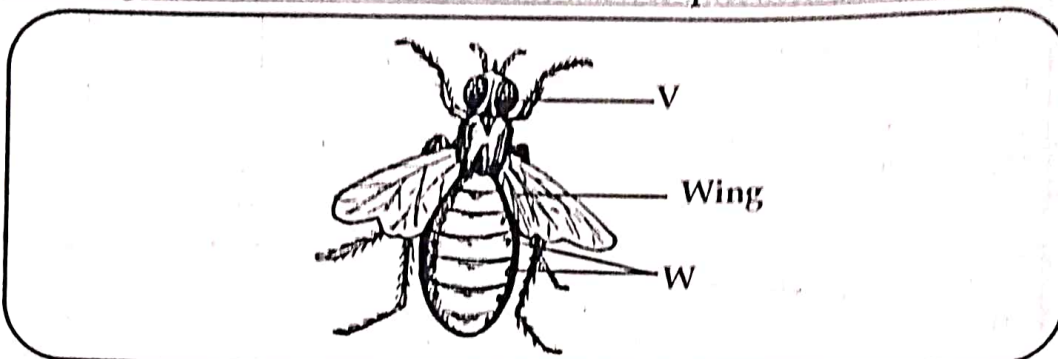
(ii) \_\_\_\_\_

(c) State any one disadvantage of using the above system.

\_\_\_\_\_

53

The diagram is on an insect. Use it to answer questions that follow.



(a) Using an arrow and letter Z. Show the part used for feeling.

(b) State the importance of the following parts on an insect.

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

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

(c) How is part marked with letter W similar to booklungs of a spider?

54.

(a) State any two ways germs are spread in the environment.

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

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

(b) Give any two ways of preventing food contamination at home.

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

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

55.

Match correctly.

<u>A</u>	<u>B</u>
(a) Mixture	substance that dissolves in a liquid.
(b) Solute	substance that can dissolve a solute.
(c) Solution	uniform mixture of a solute and solvent.
(d) Solvent	substance containing two or more substances.
(a) Mixture	_____
(b) Solute	_____
(c) Solution	_____
(d) Solvent	_____