



# THE PRIME EXAMINATIONS 2023

**PRIMARY FOUR END OF TERM II**

**INTEGRATED SCIENCE**

*Time allocated 2 hours 15 minutes*



Name:.....

Signature:.....

School:.....

District Name:.....

## 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)

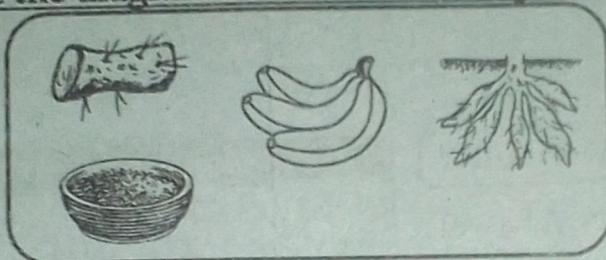
PUBLISHERS OF:-

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

**Section A (40 Marks)**

1. Name the type of soil used for making glasses.
2. Why should a wind vane be put in an open area?
3. Which sanitary measure prevents the breeding of mosquitoes in the compound?
4. Name the body organ that enables John to differentiate between colours of objects.
5. How are canine teeth adapted to the mode of digestion?

**Use the diagram below to answer question 6 and 7.**



6. Name the food value obtained by eating the above food stuffs.
7. Which deficiency disease is prevented by eating above food stuffs?
8. Why are cooks advised to put out burning firewood after cooking food?
9. State one role of a father at home.
10. How is burning similar to germination in the environment?
11. Give one reason why windows of a living house should be left open at day time.
12. Name one domestic animal kept for both meat and milk production.
13. How can poor disposal of human wastes lead to the spread of diarrhoeal diseases?

14. Write one item used for cutting long finger nails short at home.
15. How are prop roots important to a barley plant?

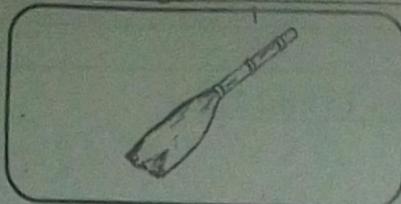
Use the diagram below and answer questions 16 and 17.



16. Identify the type of weather shown in (A) above.
17. How do crop farmers benefit from above type of weather?
18. Name one type of teeth in humans.
19. Why are we not advised to share body towels with people suffering from ringworm infection?
20. State the role of a nurse in a school.
21. Name one common accident caused by careless running.
22. State one way of keeping our classroom clean.
23. Which deficiency disease is characterised by bow shaped legs in infants?
24. Mention one product obtained from domestic animals.
25. How can a school going child care for his/her teeth?
26. Name the structure of the maize plant that gives extra support.

27. Give one reason for planting trees around the school compound.

Use the diagram below to answer questions 28 and 29,



28. Name the item for keeping our school compound clean shown in the diagram above.

29. State the importance of the above item at school.

30. How does the vitamin manufactured by the skin important to the body?

31. Which component of air enables cooks light fire in the kitchen?

32. Name the main natural source of water in the environment.

33. Which deficiency disease is prevented by eating boiled eggs and roasted chicken?

34. Write one example of a social insect.

35. Name one body organ protected by the skull.

36. Why is loam soil the best for growing crops?

37. How can mulching control soil erosion?

38. How do animals benefit from plants found in the environment?

Use the diagram below to answer questions 39 and 40.



39. Name the type of tooth shown in the diagram above.

40. Give the role of the above tooth during food digestion.

### Section B (60 Marks)

41. (a) Name the two types of insects.

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

- (b) Give one reason why bees sting their enemies.

- (c) Which bee product is used for making candles?

42. (a) Give any two indicators of poor sanitation at school.

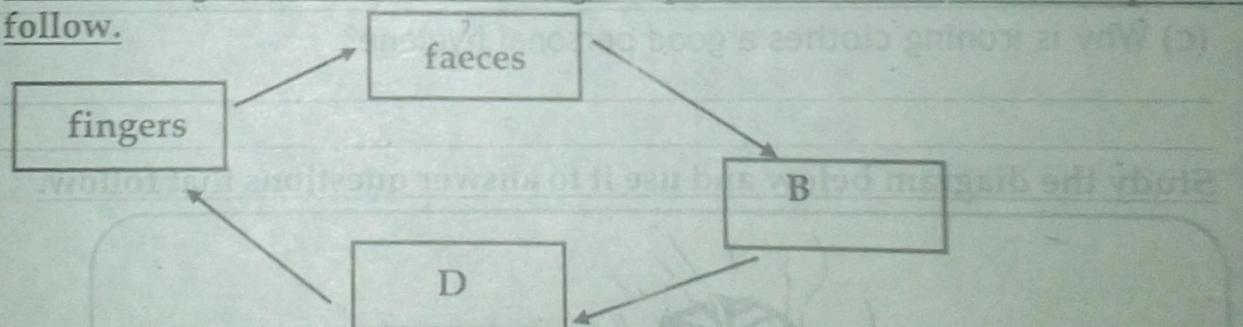
(i) \_\_\_\_\_

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

- (b) How does keeping fish in ponds help to prevent the spread of malaria?

- (c) Which health practice is carried out after using a latrine?

43. Use the diagram below about 4Fs germ path. Use it to answer the questions that follow.



- (a) Write the missing agents represented by B and D.

(i) B \_\_\_\_\_ (ii) D \_\_\_\_\_

- (b) What role is played by agent B in the 4Fs germ path?

(c) Name one disease spread through the 4Fs germ path.

44.

(a) Which part on plant roots carry out the following;

(i) protects a young growing tip from damage \_\_\_\_\_

(ii) sucks water and mineral salts from the soil \_\_\_\_\_

(b) Name the two types of root systems.

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

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

45.

(a) Mention the deficiency disease with the following signs;

(i) swollen belly and reddish - brown hair

(ii) Bonny face, constant hunger and swelling of lower abdomen

(b) Name the component of a balanced diet that helps in prevention of constipation.

(c) State one method of preserving food at home.

46.

(a) Mention the two types of animals.

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

(b) Name the animal product used for making drums.

(c) How do crop farmers benefit from goats kept at home?

47.

(a) Give the use of the following items when cleaning our bodies?

(i) Ear buds \_\_\_\_\_

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

(b) Josephine bites her finger nails. State one health problem she is likely to face because of that habit.

(c) Why is ironing clothes a good personal hygiene?

48.

Study the diagram below and use it to answer questions that follow.



banana leaf

sauce pan

(a) Name the wood fuel marked X.

(b) Give one importance of covering food while cooking at home.

(c) State any two ways of conserving wood fuel in the environment.

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

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

49. (a) Give the importance are the following types of teeth to people.

(i) Molar teeth \_\_\_\_\_

(ii) Inscisor teeth \_\_\_\_\_

(b) In which region of the tooth is enamel found?

(c) What set of teeth is replaced by permanent teeth?

50. (a) Name the two liquids used in the six's thermometer.

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

(b) Which type of thermometer is used by doctors in hospitals?

(c) Why do doctors shake the thermometer before placing it onto the patient?

51. Match the following body organs to the functions.

Body organ

(i) The brain

(ii) Lungs

(iii) Kidneys

(iv) Heart

function

pumps blood.

filter blood.

stores information.

used for breathing.

(i) The brain \_\_\_\_\_

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

(iii) Kidneys \_\_\_\_\_

(iv) Heart \_\_\_\_\_

52. (a) Name the type of family where we *find mother, father and their biological children.*

(b) Apart from above mentioned type of a family, write one other type of family.

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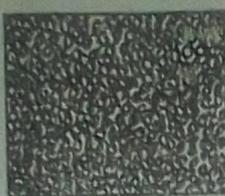
(c) Mention any two activities done by children at home.

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

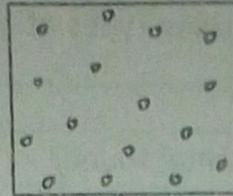
(ii) \_\_\_\_\_

53. Use the types of soil below to answer questions that follow.

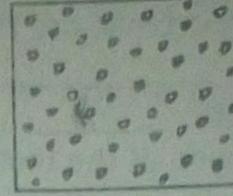
A



B



C



(a) Name the type of soil marked C and A.

(i) C \_\_\_\_\_ (ii) A \_\_\_\_\_

(b) Which type of soil above is good for planting bean seeds?

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(c) Give a reason to support your answer in 53(b) above.

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54. (a) What is meant by the term *food preservation*?

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(b) Mention two methods for preserving meat at home.

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

(c) How can salting help to preserve fish?

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55. (a) Mention any two activities that can help to control the spread of cholera.

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

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

(b) Why should a latrine be constructed 10 metres away from the water source?

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(c) How is a plate stand important at home?

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