



THE PRIME EXAMINATIONS 2023

PRIMARY SIX BEGINNING OF TERM I INTEGRATED SCIENCE (*Abridged Curriculum*)

Time allocated 2 hours 15 minutes



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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has **two** sections: **A** and **B**. Sections **A** has **40** (40 Marks) questions 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 (P.E.C)

PUBLISHERS OF:-

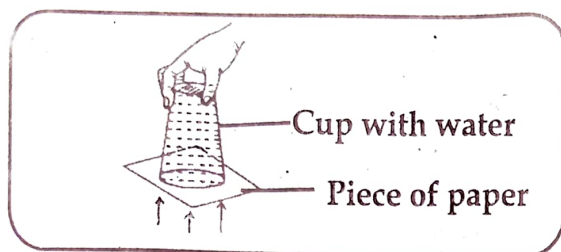
THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

Turn Over

Section A. (40 Marks)

1. Name any one part of a plant that make up the root system.
2. How does the draining of stagnant water control the spread of malaria?
3. Which important process takes place in the ileum?
4. How does painting prevent rusting in metals?

The diagram below shows a property of air. Use it to answer questions 5 and 6.



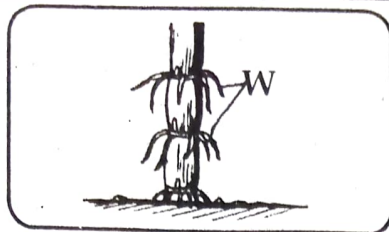
5. Name the property of air shown in the diagram above.
6. In which one way is the above property of air important in our daily life?
7. Name the item used to kill germs in the mouth during brushing.
8. Why is polio vaccine given to babies at birth?
9. Which type of accident is caused due to tearing of the ligament?
10. State one way of preventing drought in an area.
11. State the main reason why farmers keep merino sheep.
12. Name the type of worm that enters our body through eating undercooked meat.
13. Which component of food prevents constipation in people?

14. Why shouldn't a person bitten by a snake allowed to walk?

15. Name the solvent used when making ORS.

16. Which body sense is detected by the nose?

Use the diagram of the root system below to answer questions 17 and 18.



17. Name the roots marked with letter W from the diagram above.

18. State the importance of roots marked W to a plant.

19. Give a reason why breast feeding mothers are advised to take a lot of fluids.

20. Name any one product got from hooves and horns of domestic animals.

21. Which **deficiency disease** is characterised by *bleeding gums*?

22. Write **UNEPI** in full.

23. Name the tool used in closed castration.

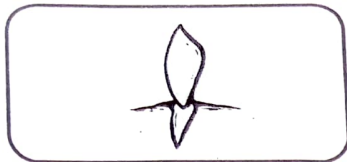
24. Why is cassava regarded as an energy giving food?

25. How is the **kink** of a clinical thermometer adapted to it's function?

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

27. In which one way is soil formed in the environment?

The diagram below is of a tooth. Use it to answer questions 28 and 29.



28. Name of the **type of tooth** shown in the diagram above.
29. Give the function of the **type of tooth** named in question 28 above.
30. How is a **Child Health Card** important to a teacher?
31. Name one example of a root tuber.
32. What are **social insects**?
33. Give any one cultural method of controlling pests in the garden.
34. Name any one state of matter.
35. State the importance of transpiration to the environment.
36. Which items at home are used for pounding groundnuts?
37. Name the element of PHC promoted by rinsing the mouth after meals.
38. In the space provided below, draw a piece of bathing soap.
39. What name is given to materials used to cover top soil?
40. State the relationship between a chimney on a kitchen and ventilators on a living house.

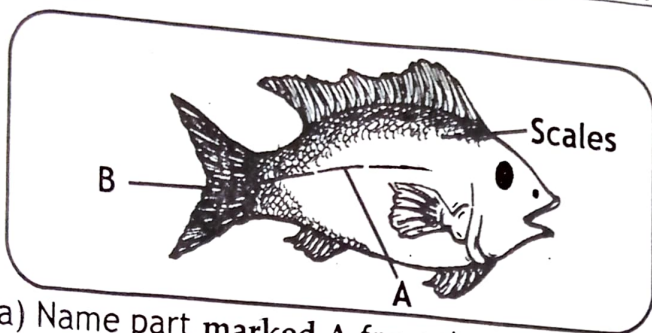
Section B (60 Marks)

41. (a) Apart from **simple fractures**, name **two** other types of fractures.
 (i) _____ (ii) _____

(b) Give any **one** sign of a simple fracture.

(c) State the first aid for fractures.

42. The diagram below is of a living thing. Use it to answer questions that follow.



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

(b) State the importance of part marked **B** from the diagram above.

(c) Which **food value** do we get from eating the living organism in the diagram above?

(d) How can we prevent the living organism shown in the diagram above from extinction?

43. What is meant by the term **poultry keeping**?

(b) Mention any **two** examples of poultry.
 (i) _____ (ii) _____

(c) Which products do poultry farmers get from layers?

44. (a) At what age should weaning start in babies?

(b) Give any **two** reasons for weaning babies at the age mentioned in (a) above.

(i) _____

(ii) _____

(c) Write any **one** factor that can lead to early weaning.

45. (a) Give any two;

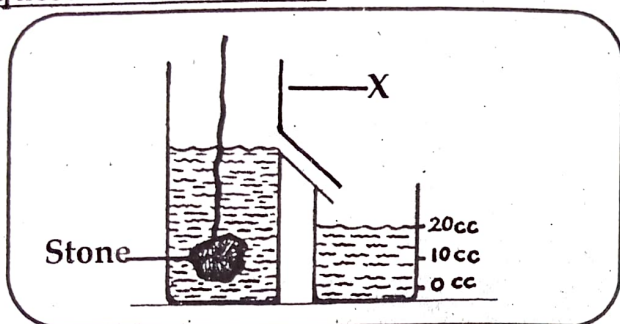
(i) **Traditional methods of preserving food;**

(i) _____ (ii) _____

(ii) **modern methods of preserving food;**

(i) _____ (ii) _____

46. The experiment below was carried out by a P.5 pupil, use it to answer questions that follow.



(a) Name **container X** from the experiment above.

(b) Which method of finding the volume of the stone is shown in the setup above?

(c) Find the volume of the stone from the experiment above. (02 marks)

47. (a) Name the digestive **juice produced** in the mouth.

(b) State the importance of the tongue during digestion.

(c) Where does chemical digestion in humans;

(i) **start from** _____

(ii) **end** _____

48. (a) Name the type of **clouds** that appear in dry weather.

(b) Give any **two** advantages of clouds.

(i) _____

(ii) _____

(c) Which form of energy enables our skin to absorb **vitamin D**?

49. (a) Which element of **PHC** helps to control water borne diseases?

(b) Give any **two** activities carried out in the element of **PHC** named in (a) above.

(i) _____

(ii) _____

(c) Why are we advised to drink clean boiled water?

50. (a) Name **two** examples of wood fuel.

(i) _____

(ii) _____

(b) Give **two** reasons for saving resources.

(i) _____

(ii) _____

51. Match the following major body organs to their functions.

(i) Housefly

(ii) Tsetsefly

(iii) Water snails

(iv) Lice

Typhus fever.

Cholera.

Sleeping sickness.

Bilharziasis

(i) Housefly

(ii) Tsetsefly

(iii) Water snails

(iv) Lice

52. (a) Apart from epigeal germination, mention one other type of germination.

(b) Give two conditions necessary for germination to take place.

(i) _____

(ii) _____

(c) Write down one seed that undergoes epigeal germination.

53. (a) Mention two products got from rabbit skins.

(i) _____

(ii) _____

(b) Why should a hutch be raised above the ground?

(c) What do we call the *act of giving birth in rabbits*?

54. (a) Give two importance of keeping proper sanitation.

(i) _____

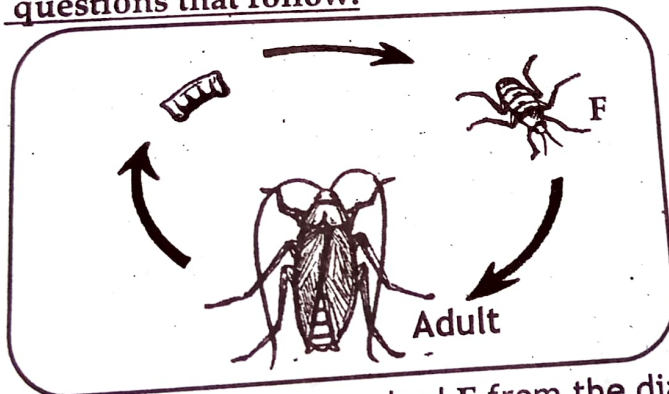
(ii) _____

(b) Write down two items used to promote sanitation in a home.

(i) _____

(ii) _____

55. The diagram below shows a life cycle of a cockroach. Use it to answer questions that follow.



(a) Name the stage marked F from the diagram above.

(b) Which type of *metamorphosis* is shown in the diagram above?

(c) Identify the dangerous stage from the lifecycle shown above.

(d) Apart from polio, mention one disease spread by cockroaches.