



The PRIME EXAMINATIONS 2023

P.7 PRE - PLE MAGIC SET III

INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:	Random No.	Personal No.



Candidate's Name:.....

Candidate's Signature:.....

School Random No.

District ID:

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. Do not write your school or district name anywhere on this paper.
2. This paper has **two** sections: A and B Section A has 40 questions and section B has 15 questions. The paper has 7 printed pages.
3. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil other than graphs and diagrams will not be marked.
5. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

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, PUPILS' WORKBOOKS, LESSON COURSE BOOKS,
HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

Section A (40 Marks)

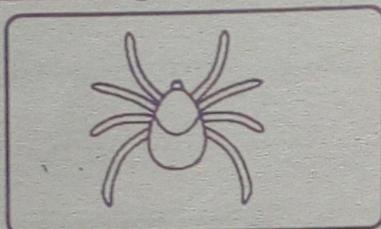
1. Name one body organ that can be damaged by poison.

2. Give one way of preventing swarming in bees.

3. Which skin disease is prevented by eating food rich in **vitamin C**?

4. Why do we feel hotter when we put on **black clothes** than white ones on sunny days?

Study the diagram below and use it to answer questions 5 and 6.



5. To which group of invertebrates does the animal in the diagram above belong?

6. Name one disease spread by the animal shown in the diagram above to cattle.

7. Which element of weather is used for winnowing dry harvested cereals?

8. Identify the cattle management practice that prevents the growth of horns on a calf.

9. Name the type of lens used in magnifying glass.

10. How is the reproduction of yeast different from that of other fungi?

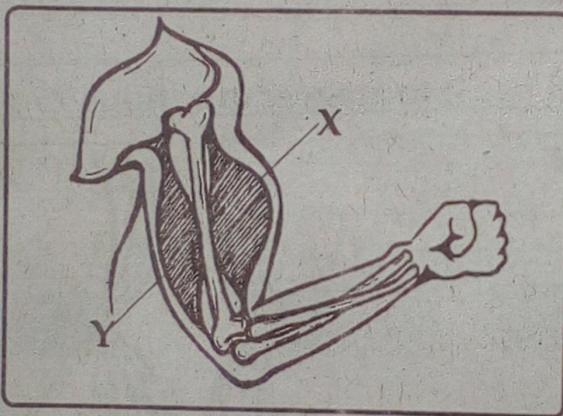
11. State one factor that affects the pitch of sound.

12. How do bed bugs protect themselves from enemies?

13. Write down one importance of immunization to infants

14. State one way of controlling diseases spread through 4Fs germs path in our homes.

Study the diagram and use it to answer questions 15 and 16.



15. Name the part marked Y.

16. What happens to part marked X when the arm is straightened?

17. Name the body condition caused by severe vomiting.

18. Under which class of essential drugs do vaccines belong?

19. How is a streamlined body important to birds during flight?

20. Name the deficiency disease prevented by eating cassava, sweet potatoes, rice and bread.

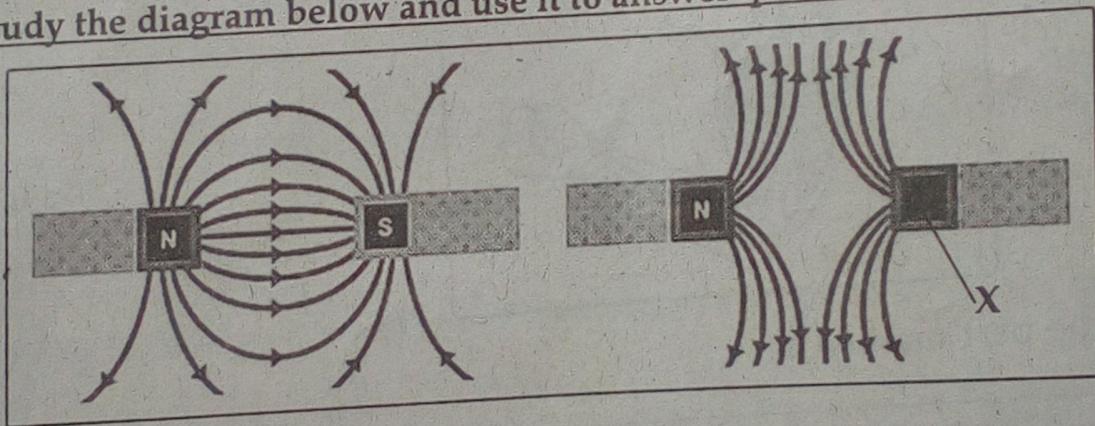
21. Identify any one disease that attacks the human heart.

22. Why is it advisable to carryout transplanting in the evening?

23. Mention one feature that enables swimming birds to float on water.

24. Why should a doe with young ones be given enough water to drink?

Study the diagram below and use it to answer questions 25 and 26.



25. State the property of the magnet shown in the diagram above.

26. Name the pole marked X from the diagram above.

27. Write down one way how one can prevent contraction of syphilis.

28. To what type of change do you group rusting of metals?

29. Write one item crafted from banana fibres.

30. Why do rotten bean seeds float on water?

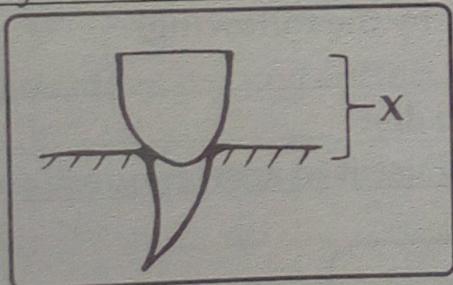
31. How can a poultry farmer improve on egg production in a **deep litter system**?

32. Why are conifers grouped under non-flowering plants?

33. Name the process through which **rocks** are broken down to form soil.

34. Mention one important process that takes place in the ileum.

Study the tooth below and use it to answer questions 35 and 36.



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

36. Mention one mineral salt that makes part X to be hard and strong.

37. Which disease of the respiratory system is commonly mistaken as HIV/ AIDS?

38. Why do people with less blood have higher chances of fainting?

39. State one disadvantage of bottle feeding to a mother.

40. Suggest any one duty of children at home.

Section B. (60 Marks)

41. (a) Give two advantages of using biogas over wood fuel.

(i) _____

(ii) _____

(b) What name is given to organisms that help in the fermentation of organic matter in the biogas digester?

(c) Mention any one example of materials that can be used to make biogas.

42. (a) State any two activities which are involved in child- to child programme.

(i) _____

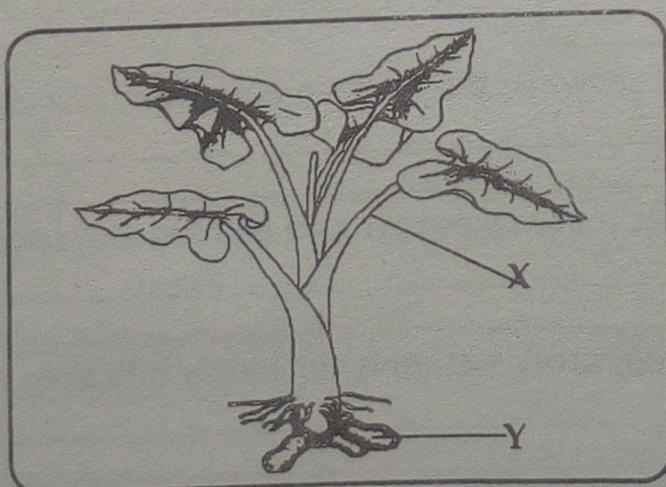
(ii) _____

(b) Mention the element of PHC promoted by the following:

(i) sweeping rubbish in the kitchen: _____

(ii) feeding on meals containing a balanced diet : _____

43. Study the diagram of a cocoyam below and use it to answer question that follow.



(a) Name the part marked X and Y.

(i) X: _____

(ii) Y: _____

(b) Which food value can we get from eating part marked Y?

(c) Give one way of caring for cocoyam plants in the garden.

44. (a) What is meant by the term work as used in science?

(b) Find the work done by a man who pushes a wheel barrow using a force of 120kg through a distance of 8 metres. (03 Marks)

45. (a) Mention any two vectors that breed in dirty beddings and clothes.

(i) _____ (ii) _____

(b) How are above mentioned vectors dangerous to people. (Give two)

(i) _____

(ii) _____

46. (a) Write down two advantages of using a VIP latrine over an ordinary pit latrine.

(i) _____

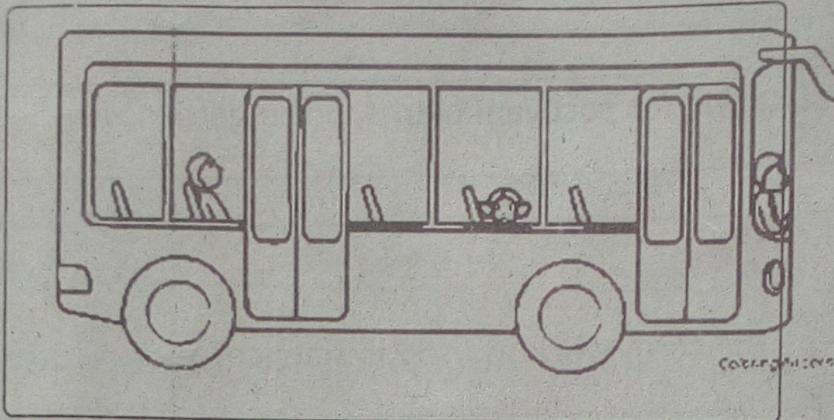
(ii) _____

(b) How is a spiral wall important on a VIP latrine?

(c) Why is it not advisable to provide a lid to a VIP latrine?

47. The diagram below shows a Global bus carrying passengers from Kampala to Masaka.

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- (a) What form of mechanical energy is possessed by the following;
- (i) Agnes seating in the bus travelling to Masaka: _____
- (ii) A bus moving to Masaka carrying passengers: _____
- (b) Name the form of heat transfer that helps to remove smoke from the kitchen through the chimney.

- (c) How does heat from the sun reach John's crops spread in the compound for drying?

48. (a) State any two examples of life skills that can help young people to avoid antisocial behaviour.
- (i) _____
(ii) _____
- (b) Give two ways how young people can avoid antisocial behaviour.
- (i) _____
(ii) _____
49. (a) Give two ways how boiled water can be protected from contamination.
- (i) _____
(ii) _____
- (b) Give any two practices done to protect water sources from contamination.
- (i) _____
(ii) _____

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50. Match the following terms used in sheep keeping to their meaning.

Terms

Meaning

Ram	a young one of a sheep.
Ewe	is giving birth in sheep.
Lambing	is a mature male sheep.
Lamb	is a mature female sheep.

- (a) Ram : _____
(b) Ewe : _____
(c) Lambing : _____
(d) Lamb : _____

51. (a) What do we call the practice of covering top soil with dry plant materials?

(b) How can the practice above help in the following ways?

(i) Controlling soil erosion

(ii) Improving on soil fertility

(c) Write any one dry material used during the above practice in 51 (a).

52. (a) Give one effect of cannibalism to poultry.

(b) Name the system of keeping poultry that encourages egg eating.

(c) Give any two ways of preventing poultry vices.

(i) _____

(ii) _____

53. (a) In which one way are opaque objects important in the environment?

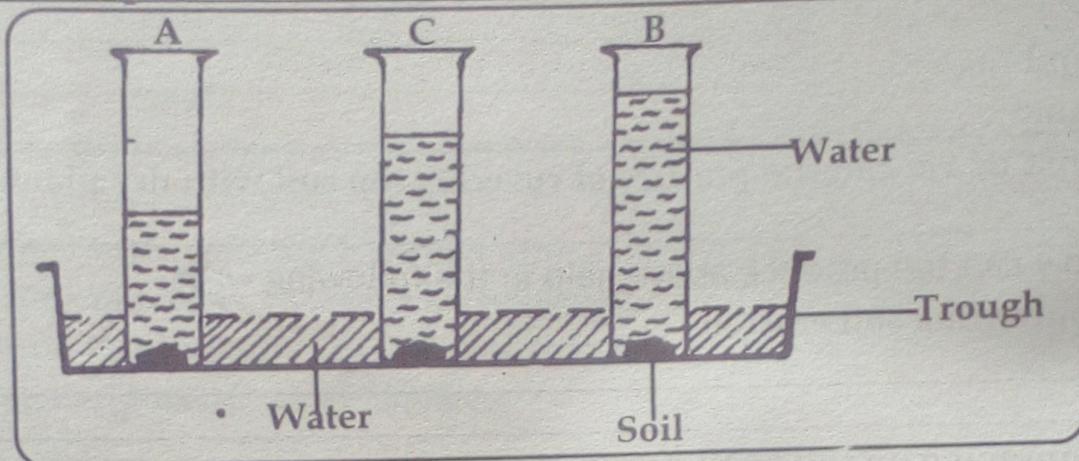
(b) What happens to light when it meets the following objects?

(i) Transparent objects.

(ii) Translucent objects.

(c) State one effect of light on translucent materials.

54 Study the experiment below and answer questions that follow.



(a) What does above experiment prove about soil?

(b) Name the type of soil marked B and C from the diagram above.

(i) B: _____ (ii) C: _____

(c) Why does container A contain has less water?

55. (a) State any two factors that lead to alcoholism.

(i) _____

(ii) _____

(b) Give two reasons why people drink alcohol.

(i) _____

(ii) _____

REVISION TIPS

Always be calm and composed when approaching each question in any set of examination.