



# THE PRIME EXAMINATIONS 2023

## PRIMARY SEVEN MID TERM II

### INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:	Random No.	Personal No.



Candidate's Name: .....

Candidate's Signature: .....

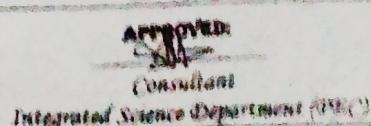
School: .....

District ID No.: .....

#### 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		



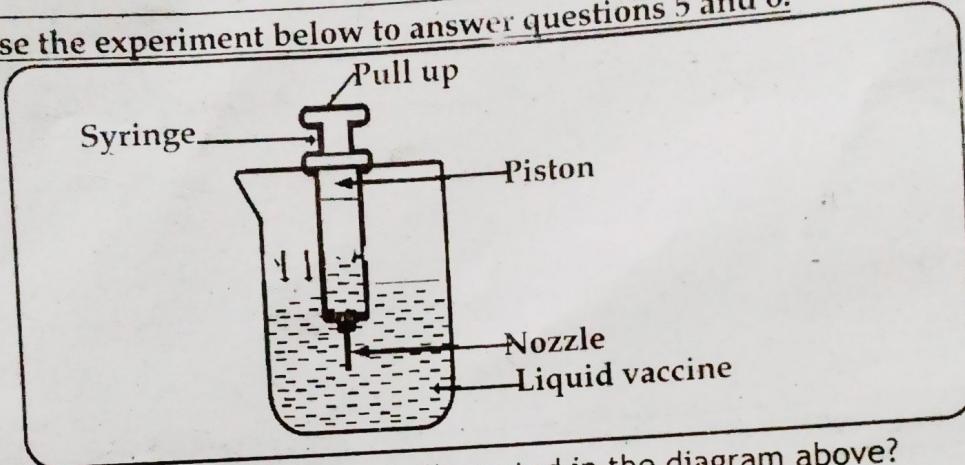
PUBLISHERS OF:-

PRIME SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS,  
HOLIDAY PACKAGES, LEARNING GAMES AND MORE

**Section A (40 Marks)**

1. Name the component of air used by cooks to light firewood.
2. State one importance of excretion to the body?
3. What **property of light** enables periscopes to operate?
4. Name the form of current electricity produced from burning fuels.

**Use the experiment below to answer questions 5 and 6.**

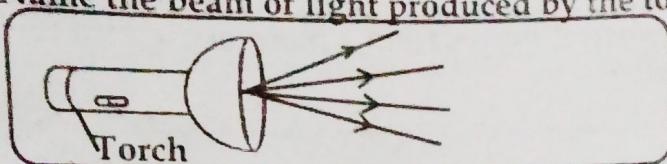


5. Which property of matter is illustrated in the diagram above?
6. How does the above property important to a doctor?
7. State one danger of poor personal hygiene.
8. Why is it advisable to keep drugs in lockable places at home?
9. Give one way how the respiratory system can be kept in a good working condition.
10. Why is it not advisable to drink water obtained by distillation method?
11. How can drug prescription prevent over dose?
12. Name one diarrhoeal disease prevented by proper disposal of human wastes.

13. State the main reason for establishment of PIASCY program in schools.

14. How do insects increase on their body size?

15. Name the beam of light produced by the torch below.



16. Why do strings of a bow harp have different lengths?

17. How is camouflaging important to a chameleon?

18. Name the deficiency diseases prevented by eating cassava, posho and rice at home.

19. To which body system do the kidneys belong?

20. Why should school children cross the busy road on the zebra crossing?

21. Which sanitary measure helps in the proper disposal of human wastes?

22. Where in the male reproductive system are sperm cells produced?

23. Name the largest internal body organ.

24. Why do electricians wear rubber gloves while handling bare wires carrying electricity?

25. State the importance of transpiration to crop farmers?

Use the diagram below to answer questions 26 and 27.



26. To which group of invertebrates does the above animal belong?
27. Give the importance of the part marked A from the diagram above.
28. How is the process of sweating important to the body?
29. What happens to a ray of light when it moves from a more dense to a less dense material?
30. Give one way of improving on soil fertility.
31. Why is **measles** vaccine given to babies at **9 months**?
32. What kind of movement is allowed by hinge joints?
33. Why can't pure water conduct electricity?
34. Name one skin disease spread through sharing clothes with infected people.

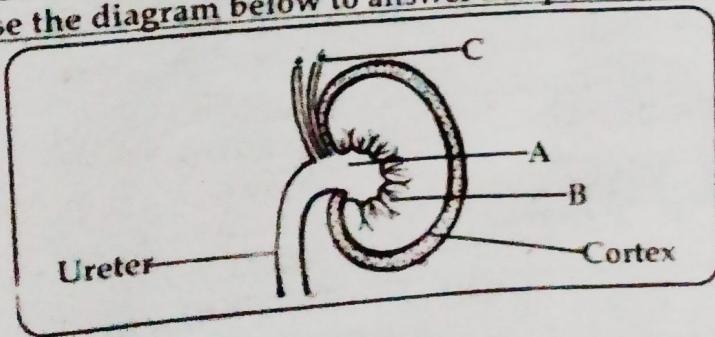
Use the diagram of a granary below to answer the questions 35 and 36.



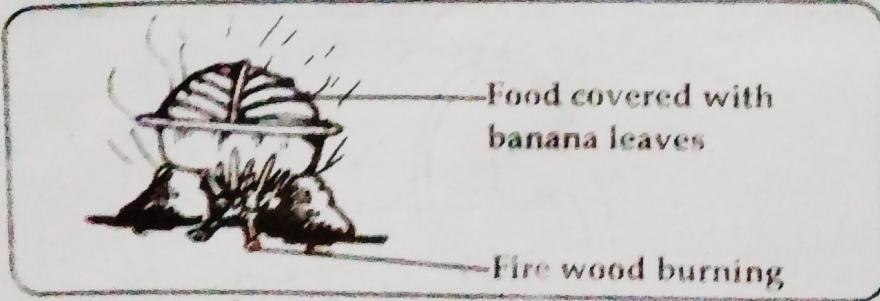
35. How are the structures marked X important on a granary?
36. Why is it important to dry crops before they are kept in a granary?
37. Why is boiled water safe for drinking?
38. Of what importance is oxygen breathed into the body?

39. Give one reason for wearing shoes when walking on damp places.
40. State the use of leaves to herbalists found in your community.
41. (a) What is meant by the term **dehydration**?  
  
(b) State any two causes of dehydration.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) Why is salt included when making ORS?
42. (a) How are the cartilages found in the following parts important;  
(i) wind pipe  
  
(ii) nose  
  
(b) Give one way poor sitting posture affects the body?  
  
(c) What name is given to the **special type of involuntary muscles that make up the heart?**

43. Use the diagram below to answer the questions that follow.



- (a) Name the parts marked A and C.  
(i) A \_\_\_\_\_ (ii) C \_\_\_\_\_  
(b) What important process takes place in the part marked B?  
  
(c) Why do people urinate frequently on cold days?

4. (a) Name one example of body openings where foreign bodies can enter.  
(b) How can pinching the soft part of the nose help to control nose bleeding?  
(c) State one cause of nose bleeding.  
(d) Give the reason why ice is wrapped in a towel and put on the bleeding nose.
45. (a) How are the following features useful to birds of prey;  
(i) sharp hooked beak  
(ii) strong curved claws  
(b) How are the oil glands useful on the skin of swimming birds?  
(c) Give one danger of birds of prey to a poultry farmer.
46. (a) Name the two types of reflection.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(b) What advise can you give to Peter who is short sighted but sits at the back of the class during lessons?  
(c) Name the type of lens used to correct long sightedness.
47. The diagram below shows food being cooked. Use it to answer the questions that follow.
- 
- The diagram illustrates a traditional cooking method. A pot containing food is placed over a small fire made of burning wood. The pot is covered with several large banana leaves, which are secured with sticks. The fire is visible at the bottom left, with flames and smoke rising. The entire setup is enclosed in a rectangular border.
- (a) What is the importance of covering food with banana leaves when cooking?  
(b) State one disadvantage of preparing the food when it is not covered.  
(c) Name one form of heat transfer that helps in the cooking of food.  
(d) Why are spaces left between the burning firewood?

8. (a) Why should latrines be constructed 30 metres away from boreholes?
- 
- (b) State one danger of building a latrine with a big hole.
- 
- (c) Why are we advised to wash our hands with soap and clean water after using a latrine?
- 
- (d) Name one type of a pit latrine.
- 
49. (a) Give two adaptations of the air sacs to their function.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_
- (b) Why do the lungs increase in size during breathing in?
- 
- (c) Name one disease that affects the human lungs.
- 
50. John got burnt by hot steam and blisters were formed on his hand.  
 (a) Name the degree of burn John got on his hand.  
 (b) What is the first aid for burns and scalds?  
 (c) Why is it not advisable to put cow dung on burns as a way of giving first aid?  
 (d) State the main reason for giving first aid to a casualty.
- 
51. The table below shows vaccines and the disease they prevent. Study it carefully and complete it correctly.
- | Vaccine   | Disease prevented     |
|-----------|-----------------------|
| (a) BCG   | _____                 |
| (b) _____ | Hepatitis B           |
| (c) DPT   | _____                 |
| (d) _____ | Haemophilus influenza |
- 
52. (a) Name any two examples of insect disease vectors.  
 (i) \_\_\_\_\_ (ii) \_\_\_\_\_  
 (b) Why are children advised to sleep under a treated mosquito net?  
 (d) How does draining stagnant water help to control the spread of malaria?
-

The diagrams below show drums of different sizes. Use them to answer the questions that follow.



(a) Why will drum Y produce sound of the highest pitch?

(b) What should be done to drum X in order to increase the pitch of sound it produces?

(c) How do drums produce sound?

(d) State the reason why drums are usually exposed to sunshine before using them.

54. (a) Name one method used in the following;

(i) making water safe for drinking

(ii) making water clean for washing

(b) State any two ways how water sources get contaminated.

(i)

(ii)

55. Match the following crop growing practices to their meaning.

Practice	Meaning
(i) Plant training	Is the covering of top soil with dry plant materials.
(ii) Crop rotation	Is the act of making a plant to grow in desired shape or direction.
(iii) Thinning	Is the growing of different crops on the same piece of land seasonally.
(iv) Mulching	Is the removal of excess plants in the garden or nursery bed.
(i) Plant training	
(ii) Crop rotation	
(iii) Thinning	
(iv) Mulching	