



# THE DESTINY ACADEMIC RESEARCHERS CONSULTANCY - KAMPALA

THE PLE UNIQUE PREPARATION SERIES

(2024 PRE-PLE SET ONE)

## INTEGRATED SCIENCE

Index No.	Random No.						Personal No.		

Time Allowed: 2 hours 15 minutes

Candidate's name: .....

Candidate's signature: .....

School Random number:.....

District No.				
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Read the following instructions carefully:

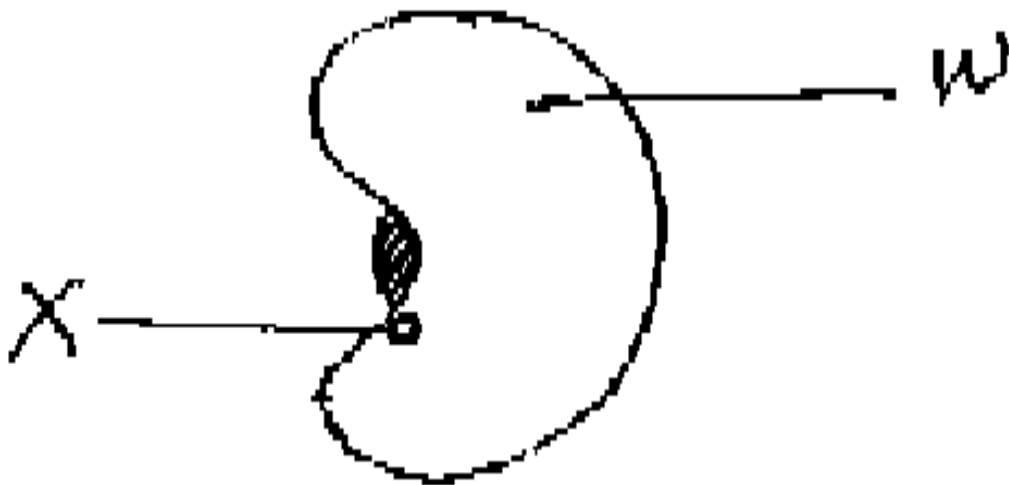
1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **12 printed pages** altogether.
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done 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 the boxes inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		
51		
52		
53		
54		
55		
<b>TOTAL</b>		

## SECTION A (40MARKS)

### Questions 1 to 40 carry one mark each

1. Name the human body organ that is sensitive to sound energy.  
\_\_\_\_\_  
\_\_\_\_\_
2. State the use of the constriction in a clinical thermometer.  
\_\_\_\_\_  
\_\_\_\_\_
3. Apart from water, mention any other material used by plants to make food.  
\_\_\_\_\_  
\_\_\_\_\_
4. How do school children benefit from the habit of bathing well?  
\_\_\_\_\_  
\_\_\_\_\_
5. Name any one example of a long bone found in the lower leg.  
\_\_\_\_\_  
\_\_\_\_\_
6. The diagram below shows a bean seed. Use it to answer items 6 and 7.



7. Name the part marked W.  
\_\_\_\_\_  
\_\_\_\_\_
8. State the use of part X during germination.  
\_\_\_\_\_  
\_\_\_\_\_
9. How does a fish benefit from the lateral line as part of its body?  
\_\_\_\_\_  
\_\_\_\_\_

10. Give any one use of shadows to people.

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11. Name the class of food which provides the body with heat.

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12. Give any one reason why a living house should be well ventilated.

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13. How does the presence of termites in soil benefit farmers?

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14. Mention any one item used to keep our classroom clean.

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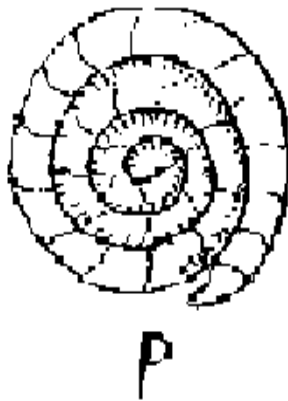
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15. Why does blood go to the kidneys during circulation?

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The diagram below shows common animals in our environment. Use them to respond to item 16 and 17.



16. To which group of arthropods does the animal shown with letter P belong?

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17. Why does animal shown with letter Q camouflage?

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18. Give any one way of controlling contamination of ORS when making it locally at home.

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19. Mention any one industrial use of honey.

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20. How do our mothers make use of sand soil in the kitchen?

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21. State any one factor considered when prescribing a drug.

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22. Mention any one indicator of poor sanitation at school.

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23. State any one way of managing accidents at home.

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24. Mention any one activity done to control bad smell from an ordinary pit latrine.

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25. Study the table below and use it to answer the question that follow.

F	Spider	Scorpion	Mite
G	Ant	Cockroach	Grasshopper

How are the organisms in list A different from those in G in terms of structure?

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26. How does rural electrification help in conserving our environment?

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27. Give any one way of controlling the spread of red eyes among children.

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28. In which state of matter does sound travel fastest.

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29. Give a reason for your answer in 28 above.

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30. Mention any one equipment used by a honey harvester.

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The diagram below shows a musical instrument. Use it to respond to items 31 and 32.



31. To which class of musical instrument does it belong?

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32. How can it be made to produce a high pitched sound?

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33. State the main cause of dehydration in infants.

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34. Apart from lungs, mention any other body organ protected by the ribcage.

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35. Mention any one natural source of light in our environment, besides the sun.

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36. Give one way of controlling harmful effects of bacteria on humans.

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37. Why is BCG vaccine given to babies at birth?

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38. Why should drugs be kept out of reach from children?

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39. Mention any one item at school that can be used to stop fire.

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40. How can school children safeguard themselves from contracting HIV/AIDS?

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### **SECTION B (60marks)**

41.a) What is meant by oral health?

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b) Give any two ways of promoting oral health.

i. 

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ii. 

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c) State any one danger of not observing proper oral health.

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42. Match list A to B correctly.

<b>List A</b>	<b>List B</b>
Pitch of sound	Loudness or softness of sound.
Frequency	Up and down movement of an object.
Volume	Highness or lowness of sound.
vibration	Number of times an object vibrates per second.

- i. Pitch of sound \_\_\_\_\_
- ii. Frequency \_\_\_\_\_
- iii. Volume \_\_\_\_\_
- iv. vibration \_\_\_\_\_

43.a) State the difference between apiculture and piggery.

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b) Mention any one role performed by the worker bee.

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c) Apart from honey, mention any other bee product.

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d) How does a crop farmer benefit from a bee keeping project?

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44.a) How is air different from wind?

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b) State any two dangers of wind in our environment.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

c) Give one way of protecting ourselves during rainy weather.

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45.a) What is meant by a health parade?

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b) Mention any two activities that take place during a school health parade.

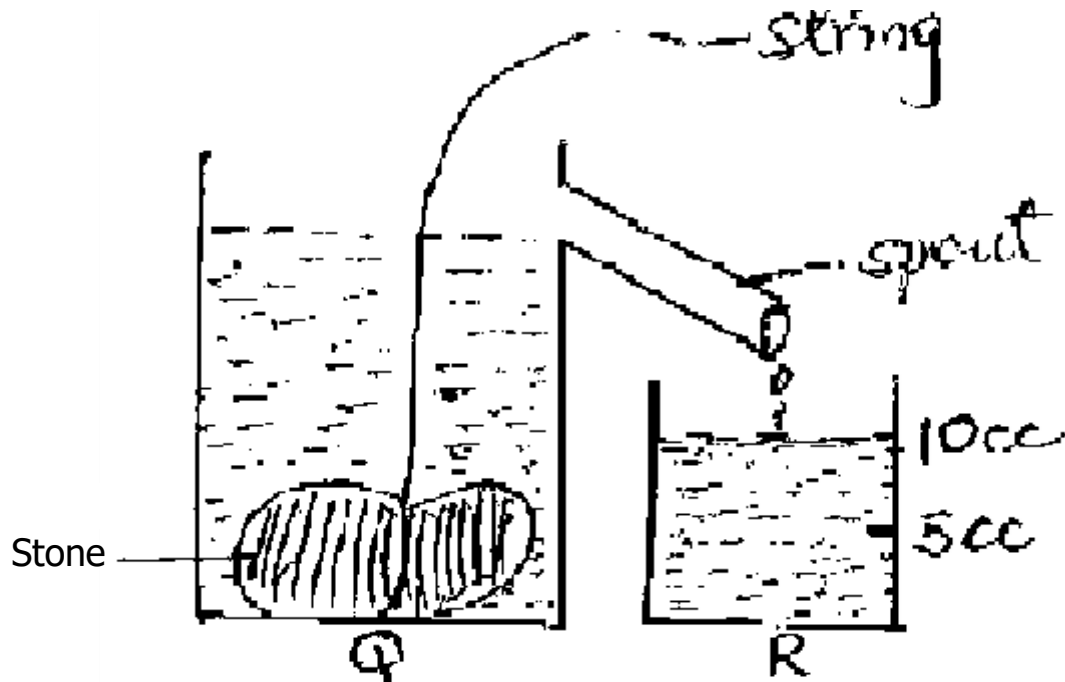
- i. \_\_\_\_\_
- ii. \_\_\_\_\_

c) Write down any one example of a PIASCY message to be displayed in your school.

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46. The diagram below shows an experiment carried out by P.5 pupils.



a) Name the method of finding volume shown above.

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b) What does the water in container R represent?

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c) Name the container marked R above.

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d) How is the string useful in the above experiment?

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47.a) What is meant by "agro forestry"?

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b) Give any two importance of practicing agro forestry.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

c) Name any one method that can be used to harvest trees for firewood.

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48.a) Name any one material obtained locally in the environment for making crafts.

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b) Mention any two activities that can damage our environment.

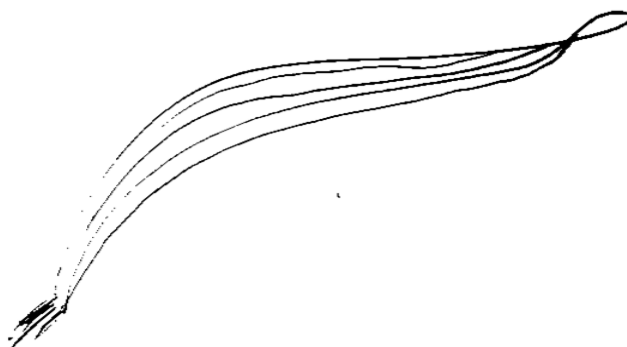
- i. \_\_\_\_\_
- ii. \_\_\_\_\_

c) How are holes left during brick making dangerous in our community?

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49.The diagram below show a plant leaf. Use it to respond to items that follow.



a) Name the type of leaf shown above.

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b) Apart from photosynthesis, mention any other process that takes place in a plant leaf.

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c) Mention two characteristics of plants with such a leaf venation.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

50.a) State any one method of making alcohol.

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b) Mention any two uses of alcohol in the hospital.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

c) Why are pregnant women discouraged from drinking alcohol?

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51.a) Give any one method of preserving food locally.

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b) Why should food be preserved?

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c) Name the gas that bubbles out when a soda bottle is opened.

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d) How is the gas above useful in soda preservation?

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52.a) Give any one simple machine that does not need training to use.

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b) Besides reducing effort, give any one other way machines simplify work.

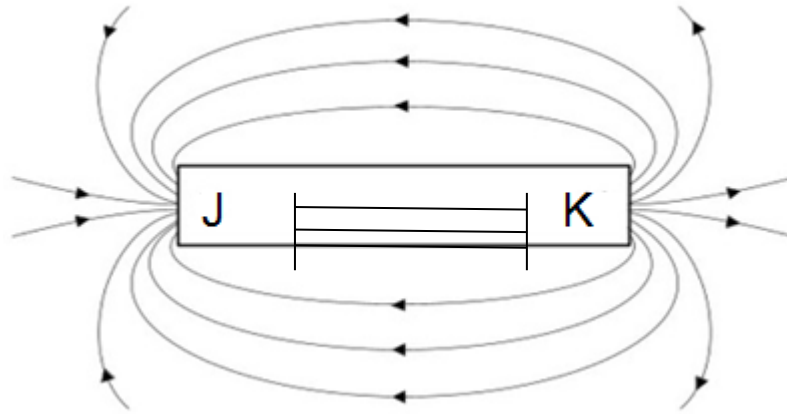
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c) Name two parts of a lever.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

53. The diagram below shows a magnet. Use it to respond to items that follow.



a) Name the pole of a magnet marked K.

\_\_\_\_\_

\_\_\_\_\_

b) Give a reason for your answer in (a) above.

\_\_\_\_\_

\_\_\_\_\_

c) State any two ways of demagnetizing the above magnet.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

54. Give the meaning of the term Seed dispersal.

\_\_\_\_\_

\_\_\_\_\_

b) Give any one adaptation of a black jack to animal dispersal.

\_\_\_\_\_

\_\_\_\_\_

c) Outline any two advantages of seed dispersal to plants.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

55. The activities listed below are used during cleaning of laundry at home.

<b>Ironing , wringing , sorting , rinsing , soaking , drying</b>
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a) Which of the above activities helps us to;

- i. Soften dirt in laundry

\_\_\_\_\_

\_\_\_\_\_

ii. Separate dirty clothes from fairly dirty ones.

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iii. Remove creases from clothes.

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b) Give any one danger of over wringing clothes during washing.

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**END**