

# GREENHILL ACADEMY PRIMARY SCHOOL

## PRE-END OF TERM ONE ASSESSMENT 2023

**CLASS : P.7 (A)**

**SUBJECT : INTEGRATED SCIENCE**

**TIME ALLOWED : 2 HOURS 15 MINUTES**

Name \_\_\_\_\_ Stream \_\_\_\_\_

Campus \_\_\_\_\_

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

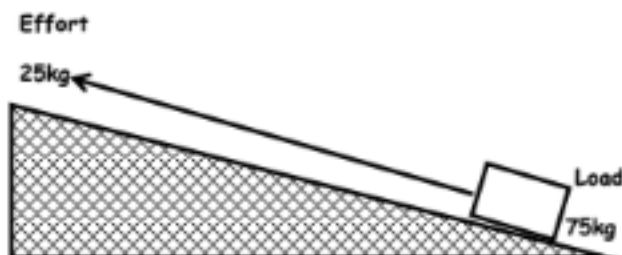
1. This paper is made up of two Sections:  
A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked.
6. Unnecessary crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

### SECTION A

1. Give any one example of an insulator of electricity.  
\_\_\_\_\_
2. Name one item a bee keeper uses to safeguard himself from bee stings during honey harvesting.  
\_\_\_\_\_
3. How does the skeletal system support the circulatory system?  
\_\_\_\_\_
4. Write the main purpose of keeping toggenburg goats.  
\_\_\_\_\_
5. Why should adolescent girls avoid getting pregnant?  
\_\_\_\_\_
6. State any one way of helping a person who has taken poison.  
\_\_\_\_\_

The diagram below shows a simple machine. Use it to answer questions 7 and 8.



7. Identify the type of simple machine shown above.  
\_\_\_\_\_
8. Find the mechanical advantage of the machine above.  
\_\_\_\_\_
9. In which way is the spread of trachoma similar to that of cholera.  
\_\_\_\_\_
10. Why is water grouped under renewable resources?  
\_\_\_\_\_
11. State any one condition that makes a woman vulnerable.  
\_\_\_\_\_

12. Name one human activity where yeast is used.
- 
13. Why should school children be taught how to use a fire extinguisher?
- 
14. Why are ventilators placed above doors and windows during construction of houses?
- 
15. How does a P.7 pupil benefit from sleeping?
- 
16. Which component of soil is formed by weathering?
- 
17. Give the importance of stomata to a maize plant.
- 
18. Write any one way worms infest the human body.
- 

The diagram below shows a foot of a bird. Use it to answer questions 19 and 20.



19. Identify the group of birds with the foot shown above.
- 
20. Give any one example of a bird that belongs to the group you have named in (19) above.
- 
21. Why does water settle on top of mercury when put in the same container?
- 
22. Why should married people be treated together for syphilis?
- 
23. State any one way of preventing iron sheets from rusting?
- 
24. Name the method of planting seeds where a garden line is used.
-

25. State the importance of BCG vaccine in the body of a one-month old baby.
- 
26. How is the ileum adapted to absorbing digested food?
- 
27. Give one way of making electromagnets stronger.
- 
28. State any one proper way of managing rubbish at school.
- 
29. Write any one way the skin regulates body temperature on hot days.
- 
30. Identify any one substance that can change to liquid state when condensed.
- 
31. How is sisal fibre useful to people?
- 

The diagram below shows a latrine. Use it to answer questions 32 and 33.



32. Identify part marked S on the diagram above.
- 
33. What do the arrows in the diagram represent?
- 
34. Give any one way of keeping drugs out of children's reach at home.
- 
35. How do soft boards reduce echoes in a hall?
- 
36. State any one quality of a good hutch.
-

37. Write any one adaptation of canine teeth to tearing food.
- \_\_\_\_\_
38. How is a tree planting project useful to school children?
- \_\_\_\_\_
39. Identify any one way of making a Friesian cow to produce more milk.
- \_\_\_\_\_
40. State any one way children manage rainy weather on their way to school.
- \_\_\_\_\_

### SECTION B

41. The diagram below shows a thermometer. Use it to answer the questions that follow.



- (a) Identify the type of thermometer shown above.
- \_\_\_\_\_
- (b) How useful is the type of thermometer shown above?
- \_\_\_\_\_
- (c) State the function of part marked **N** in the thermometer.
- \_\_\_\_\_
- (d) How can one ensure the cleanliness of the above thermometer before using it?
- \_\_\_\_\_
42. (a) Where in the female reproductive system does fertilization take place?
- \_\_\_\_\_
- (b) How are sperms similar to pollen grains in flowering plants?
- \_\_\_\_\_
- (c) Mention any two changes that occur in a flower after fertilization.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
43. (a) Name one bone in the body to which the ribs are attached.
- \_\_\_\_\_

- (b) Identify one place in the body where the following types of joints are found.
- (i) Gliding joint \_\_\_\_\_
- (ii) Ball and socket \_\_\_\_\_
- (c) Why are biceps and triceps muscles called antagonistic muscles?
- \_\_\_\_\_

44. (a) Give the meaning of the term "malnutrition."

\_\_\_\_\_

\_\_\_\_\_

(b) Write down one cause of malnutrition in a community.

\_\_\_\_\_

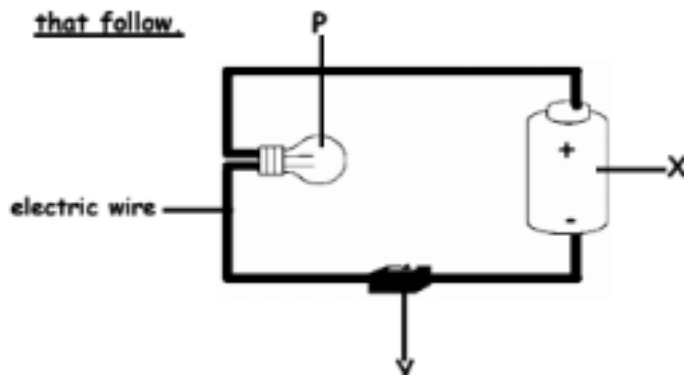
(c) Mention one danger of malnutrition in babies.

\_\_\_\_\_

(d) How can a P.7 boy participate in controlling malnutrition at home?

\_\_\_\_\_

45. The diagram below shows a simple circuit. Use it to answer the questions that follow.



(a) Name the electric item marked X.

\_\_\_\_\_

(b) Name the energy change that takes place in item P when Y is closed.

\_\_\_\_\_

(c) How is part Y important in the electric circuit above?

\_\_\_\_\_

(d) Use an arrow to show the flow of electrons on the diagram above.

46. (a) How does placing laying boxes in dark corners in a poultry house control egg eating?

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(b) How is egg eating a dangerous vice among poultry?

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(c) Mention any **two** other poultry vices common on a poultry farm.

(i)

---

(ii)

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47. (a) State the importance of cilia in the nose.

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(b) What happens to the diaphragm during inspiration?

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(c) In which way does the body benefit from the process of respiration?

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(d) Give **one** way we keep the respiratory system in a healthy working condition.

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48. (a) Why do we soak clothes before washing?

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(b) Mention **one** factor we consider when sorting clothes for washing?

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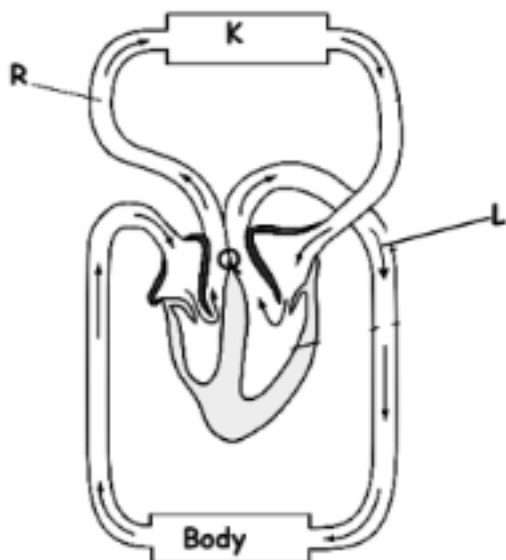
(c) How does wringing clothes ease their drying?

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(d) Give **one** danger of wearing dirty clothes.

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49. The diagram below shows circulation of blood around the body. Use it to answer the questions that follow.



- (a) Name the organs marked **K** and **Q**.  
**K** \_\_\_\_\_  
**Q** \_\_\_\_\_
- (b) Identify the type of blood represented by letters **L** and **R**.  
**L** \_\_\_\_\_  
**R** \_\_\_\_\_
50. (a) Identify any two elements of PHC besides maternal and child health care.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_
- (b) State any one activity done under maternal and child health care.  
 \_\_\_\_\_
- (c) How is a PHC important to a community?  
 \_\_\_\_\_  
 \_\_\_\_\_
51. (a) How does a person produce sound when talking?  
 \_\_\_\_\_  
 \_\_\_\_\_



- (b) Write any **two** ways of storing sound.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) State any **one** device that can be used to reproduce recorded sound.
- \_\_\_\_\_

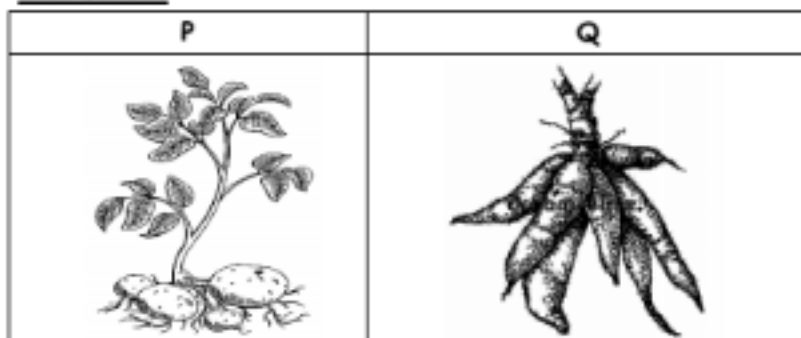
52. **The table below shows different groups of animals. Use it to answer the questions that follow.**

V	W	X
duck	grasshopper	toad
lion	scorpion	snake
dove	millipede	tilapia

- (a) State the difference between the animals in group V with those in group X.
- \_\_\_\_\_
- \_\_\_\_\_
- (b) How are the animals in group X similar?
- \_\_\_\_\_
- (c) Write any **one** common characteristic between all the animals in group W.
- \_\_\_\_\_
- (d) Which animal in the table above produces milk for its young one?
- \_\_\_\_\_
53. (a) What happens to the volume of water when frozen?
- \_\_\_\_\_
- (b) Write **one** way of finding the volume of an object.
- \_\_\_\_\_
- (c) Give the standard units for measuring the following:
- (i) mass \_\_\_\_\_
- (ii) weight \_\_\_\_\_
54. (a) Name any **two** drugs of dependence.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) State any **one** way people abuse drugs.
- \_\_\_\_\_

- (c) Identify any one life skill that can help a P.7 pupil to avoid narcotic drugs.

55. The diagram below shows tuber crops. Use them to answer the questions that follow.



- (a) Identify the tubers marked P and Q.

P

\_\_\_\_\_

Q

\_\_\_\_\_

- (b) How is the tuber crop marked Q propagated?

\_\_\_\_\_

- (c) State any one difference between tubers in P and those in Q.

\_\_\_\_\_

\_\_\_\_\_

\*\*\*\*\* END \*\*\*\*\*