



HILLSIDE PRIMARY SCHOOL-NAALYA
MID TERM ONE EXAMINATION
PRIMARY SEVEN 2023
INTEGRATED SCIENCE (SET SIX)

Time Allowed: 2 Hours 15 Minutes

Candidate's Name.....

Stream.....

Read the following instructions carefully

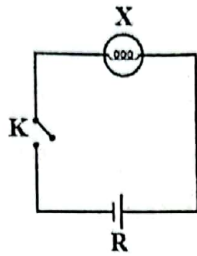
1. The paper has **two** sections: **A** and **B**.
Section A has 40 questions and Section B has 15 questions
2. Answer **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers must be written using a blue or black ball-point pen or fountain pen. Any work written in pencil other than graphs and diagrams will not be marked
4. Unnecessary changes in work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in boxes indicated: **"For Examiners' Use Only"** and those inside the paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41- 43		
44- 46		
47- 49		
50- 52		
53- 55		
TOTAL		

SECTION A (40 MARKS)

1. Identify any one type of soil erosion.
.....
2. Why water is called a renewable resource?
.....
.....
3. How does a screen of a VIP latrine help to control the spread of diseases?
.....
.....
4. Which type of metamorphosis does a housefly undergo?
.....
5. What is immunity?
.....
.....
6. Write **R.I.C.E** in full as used in first aid.
.....
7. Give one example of a magnetic material.
.....
8. How is the auditory nerve important during the process of hearing?
.....
.....

The diagram below shows a simple electric circuit. Use it to answer question 9 and 10



9. Mention one form of energy produced by part **X** when it is working.

.....

10. State the energy change that takes place in part **R** when it is in use.

.....

11. Define the term excretion.

.....

.....

12. Suggest any one reason why some people grow mushrooms.

.....

13. What is the best way a P.7 pupil can protect himself or herself against contracting HIV?

.....

14. State the importance of valves in the heart?

.....

.....

15. State one way how trees in the environment can be conserved.

.....
.....

16. Why does salt dissolve when put in water?

.....
.....

17. Name the instrument used to find out whether a cow has mastitis.

.....

18. State one way how farmers can take good care of their rabbits on a farm.

.....
.....

19. Mention one activity done by family members to promote primary health care.

.....
.....

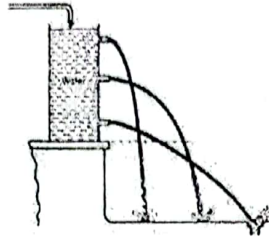
20. State any one traditional method of preserving fish.

.....

21. Which type of movable joint is found at the shoulder?

.....

The diagram below shows a property of liquids. Use it to answer questions 22



22. State the property of liquids shown below.

.....
.....

23. Why is it advisable for a couple to go together to test for STDs like gonorrhoea?

.....
.....

24. State any one method used to extract honey from honey combs.

.....

25. How can a farmer tell that his cow is on heat?

.....
.....

26. How is the propagation for cassava different from that of an Irish potato?

.....
.....

27. Point out any one importance of shadows in our environment.

.....
.....

28. Hot porridge was poured on Tom's hand. What accident did Tom get?

.....

29. Give **one** reason why electric wires are covered with insulators.

.....

30. How is synovial fluid important at a joint?

.....
.....

31. Give any **one** example of a pome fruit apart from an apple.

.....

The diagram below shows a garden tool. Use the diagram below to answer questions 32 and 33



32. Name the garden tool above.

.....

33. State the function of the garden tool shown above.

.....
.....

34. Calculate the mass of an object which has a density of 2g/cc and volume of 12cc

.....

35. Why is it important to always wash hands with clean water and soap after using a latrine?

.....
.....

36. Give the importance of having vitamin D in one's diet.

.....
.....

37. Identify the childhood immunisable water borne disease that causes lameness in children.

.....

38. How does heat from the sun reach the earth?

.....
.....

39. What is the disadvantage of using free range system of rearing poultry?

.....
.....

40. What do we call the force that causes wear and tear of some objects?

.....

SECTION B (60 Marks)

41. a) Name one example of a natural magnet.

.....

b) Write down two methods of making magnets.

(i).....

(ii).....

c) State any one property of magnets.

.....

.....

42. a) Name any **two** examples of excretory organs.

(i).....

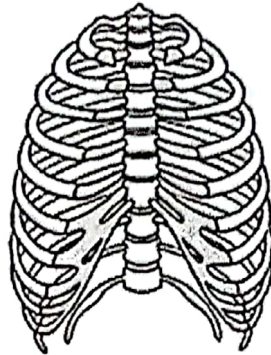
(ii).....

b) Identify any **two** metabolic wastes in the human body.

(i).....

(ii).....

43. The diagram below shows part of a skeleton. Use it to answer questions that follow.



a) Name the part of skeleton shown above.

.....

b) Mention one body organ that is protected by the part of skeleton shown above.

.....

c) State any one function of the skeleton

.....

.....

d) Suggest one way of keeping the skeletal system in proper working condition.

.....

44. a) How do most fungi reproduce?

.....

.....

b) Give any two examples of fungi

(i).....

(ii).....

c) In which one way are fungi harmful to people?

.....

.....

45 a) Briefly explain the meaning of the following terms as used in sound.

(i) Pitch

.....

.....

(ii) Frequency

.....

.....

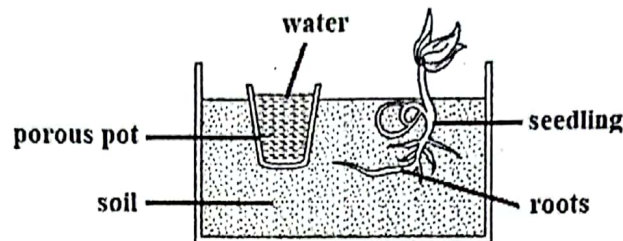
b) State any one reason why sound is stored.

.....

c) Write down one device used to store sound.

.....

45. The diagram below shows a plant response towards a stimulus. Use it to answer the questions that follow.



- b) Name the plant response shown above.

.....

- c) Give two other examples of tropisms apart from the one above.

(i).....

(ii).....

- d) By what process do plants absorb water from the soil?

.....

47. a) Point out one type of smoking.

.....

- b) State any two effects of smoking to a pregnant woman.

(i).....

(ii).....

- c) Besides tobacco, mention one example of a drug which is commonly abused by people in your area.

.....

48. a) Give one example of each of the following changes in the environment.

(i) Biological changes

(ii) Physical changes

(iii) Chemical changes.....

b) Suggest any one way physical changes are important in the environment.

.....

.....

49 a) What are invertebrates?

.....

.....

b) To which group of invertebrates does each of the following animals belong?

(i) A spider.....

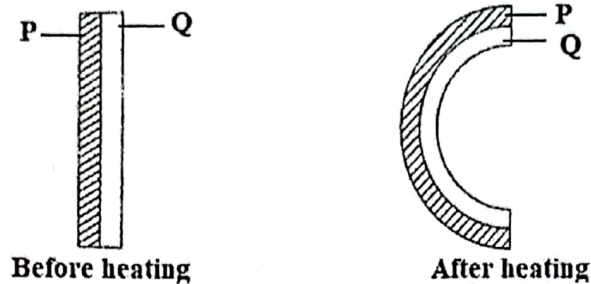
(ii) An octopus.....

(c) Why is a snake called a vertebrate but not an invertebrate?

.....

.....

50. The diagram below shows two metals before being heated and after heating them. Use it to answer the questions that follow.



- a) Why did the metals become longer than metal after heating?

.....

- b) Why did metal **P** become longer than metal **Q** after heating?

.....

- c) By what process does heat travel through;

(i) Solids.....
 (ii) Gases.....

51. a) Give any two examples of communicable diseases that affect people in your area.

(i).....
 (ii).....

b) State any one way how communicable diseases spread.

.....
.....

(c) How can the spread of communicable diseases be controlled (Give any one way)

.....
.....

52. a) Which type of fertilization takes place in human beings?

.....

b) State one primary sex characteristic change that takes place in adolescent boys.

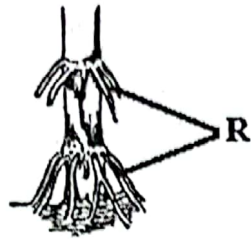
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.....

(c) Point out any two secondary sex characteristic changes that are common in both adolescent boys and girls.

(i).....

(ii).....

53. The diagram below shows roots of a certain plant. Use it to answer the questions that follow.



a) Name the roots marked R

.....

b) How are the above roots important to a plant?

.....

.....

c)Mention two examples of plants of plants with such roots.

(i).....

(ii).....

54. Which element of PHC is promoted by doing the following;

(i)Feeding on a balanced diet

.....

(ii)Bathing daily

.....

(iii)Performing regular physical exercises

.....

(iv)Using contraceptive pills

.....

55. Match the components of an electric circuit to their uses correctly.

Component	Function
Switch	Measures electric current
Voltmeter	Breaks or completes the circuit at the user's wish
Fuse	Measures voltage
Ammeter	Melts and breaks the circuit when too much current flows through it.

(i)Switch.....

(ii)Voltmeter.....

(iii)Fuse.....

(iv)Ammeter.....

END