



HILLSIDE PRIMARY SCHOOL
BEGINNING OF TERM TWO EXAMINATIONS
2024

INTEGRATED SCIENCE (SET ONE)
Time Allowed: 2 Hours 15 Minutes

Index No.

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Candidate's Name.....

Candidate's Signature.....

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. Give **one** example of a poultry vice.

.....

2. How do tapeworms enter into our bodies?

.....

.....

3. Define the term "**matter**"

.....

.....

4. State any **one** importance of heat in our daily life.

.....

.....

5. Mention **one** way of controlling crop pests in a garden.

.....

.....

6. Cite any **one** property of magnets.

.....

.....

7. State **one** advantage of keeping farm records on a farm.

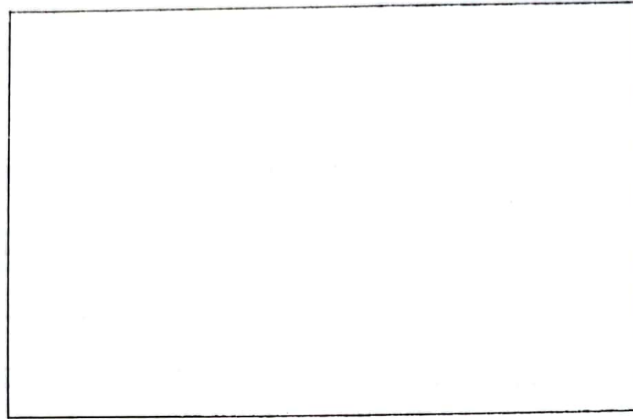
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8. Why are electric wires loosely connected on poles?

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9. Draw a simple serrated leaf in the space below.



10. Point out any **one** role of worker bees in a hive.

.....

.....

11. How is a child health card useful to a mother?

.....

.....

12. Give **one** characteristic of insect pollinated flowers.

.....

.....

13. State **one** role of hydrochloric acid found in the stomach.

.....

.....

14. Mention **one** property of pure water.

.....

.....

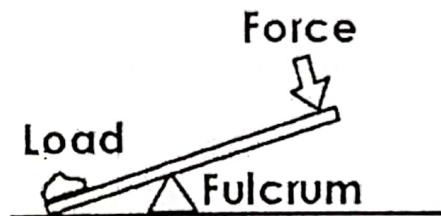
15. Give **one** reason why mercury is used in thermometers.

.....
.....

16. Why are the walls of cinema halls covered with soft boards?

.....
.....

Below is a simple machine. Study and use it to answer questions 17 and 18.



17. Name the type of simple machine shown above.

.....

18. To which class of levers does it belong?

.....

19. Mention any **one** adaptation of the air sacs to their function.

.....
.....

20. Why do farmers mulch their gardens?

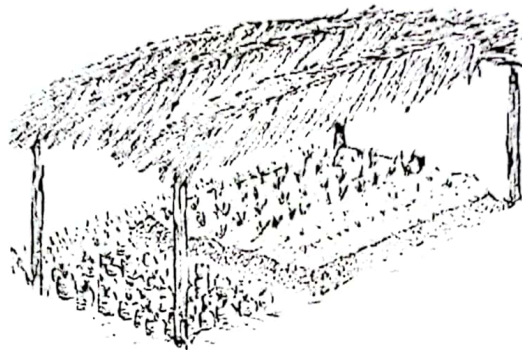
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21. Identify any **one** traditional method of preserving food.

.....

.....

The diagram below shows a nursery bed. Use it to answer question 22.



22. Identify any one activity carried out in a nursery bed to make seedlings adapt to the garden conditions.

.....

23. Give **one** function of blood plasma in the body.

.....

.....

24. Name the part of the ear that changes sound waves to sound vibrations.

.....

25. When does **one** become a passive smoker?

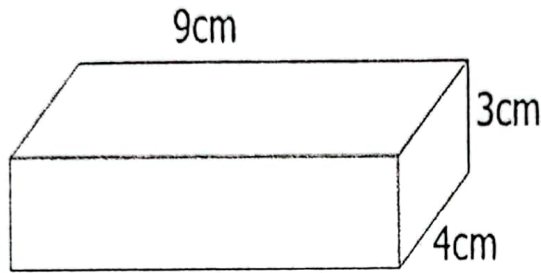
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26. Point out **one** benefit of having regular physical exercises to an individual.

.....
.....

27. Calculate the density of the cuboid below if its mass is 324g



.....

28. State any **one** agent of soil erosion in an area.

.....

29. How is the propagation in bananas similar to that in pineapples?

.....
.....

30. How do carnivorous animals obtain food from plants?

.....
.....

31. What causes night blindness?

.....

32. How do we call the study done to establish the health status of people in a given area?

.....

33. State any **one** function of the liver in the body.

.....
.....

34. Define the term "Thinning"

.....
.....

35. Mention **one** way machines simplify work.

.....
.....

36. Give a reason why plants are called producers in a food chain.

.....
.....

37. How are joints important in the body?

.....
.....

38. State **one** difference between mass and weight.

.....

39. Give **one** advantage of tethering as a method of grazing cattle.

.....
.....

40. Why do plants usually wither on a hot day?

.....
.....

SECTION B (60 Marks)

41. a) State the importance of the following digestive juices;

(i)Saliva

.....
.....

(ii)Bile juice

.....
.....

(c) Where does the chemical digestion of proteins begin?

.....

(d)How are roughages important during the process of digestion?

.....
.....

42. (a)What is immunity?

.....
.....

(b)How does a person acquire the following types of immunity.

(i)Natural immunity

.....
.....

(ii)Artificial immunity

.....
.....

(c) Write **UNEPI** in full.

.....

43. a) State any **two** advantages of using free range system in poultry keeping.

(i).....

(ii).....

(b)Give **one** disadvantage of using free range system.

.....
.....

(c)Identify any **one** problem faced by poultry farmers in Uganda.

.....
.....

44. a) What are food taboos?

.....
.....

(b) Give **two** examples of food taboos.

(i).....

(ii).....

(c) Point out any **one** advantage of food taboos in a community.

.....
.....

45. a) Give any **one** stage of a food path.

.....

(b) Give **two** examples of blocks in a food path.

(i).....

(ii).....

(c) What advice can you give to a farmer to overcome any of the blocks mentioned above?

.....
.....

46. a) Identify **one** type of breathing.

.....

b) Where in the lungs does gaseous exchange take place?

.....

c) Mention **one** product of respiration?

.....

d) Where in the body does respiration take place?

.....

47. (a) What is moving air called?

.....

(b) Give **two** uses of carbon dioxide.

(i).....

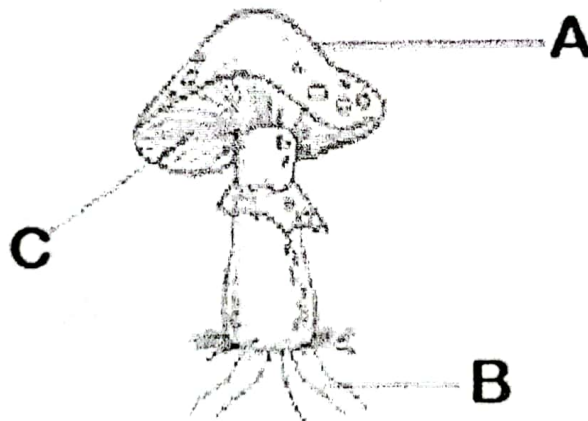
(ii).....

(c) State **one** way of increasing nitrogen into the soil apart from using fertilizers.

.....

.....

48. The diagram below is of a mushroom. Use it to answer questions that follow.



(a) Name parts marked **A** and **C**.

(i) **A**.....

(ii) **C**.....

(b) How useful is part labeled **B** to a mushroom?

.....

.....

(c) To which group of living organisms does a mushroom belong?

.....

49. (a) What name is given a place where seedlings are raised?

.....

(b) Mention **two** crops raised in such a place named above.

(i).....

(ii).....

(c) Mention **one** activity done to care for seedling mentioned above.

.....

.....

50. (a) What is pitch as used in sound?

.....

.....

(b) Mention **two** factors that determine pitch of a musical instrument.

(i).....

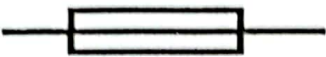
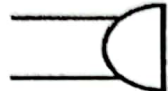
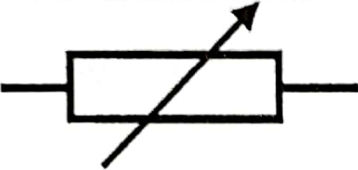

(ii).....

(c) Mention **one** way of storing sound?

.....

.....

51. Write the name of each of the following electric symbols.

52. (a) Give **one** example of a natural magnet.

.....

(b) State any **two** importance of magnets in our daily life.

(i).....

(ii).....

(c) Mention any **one** way the strength of a magnet can be weakened.

.....

53. The diagram below shows the skeleton of a dog. Use it to answer the questions that follow.



(a) State any **two** importance of a skeleton to a dog.

(i).....

(ii).....

(b) Which type of skeleton is shown above?

.....
.....

(c) Name **one** delicate organ protected by part marked T

.....
.....

54. (a) Why are biceps and triceps classified as voluntary muscles?

.....
.....

(b) How are muscles connected to bones?

.....
.....

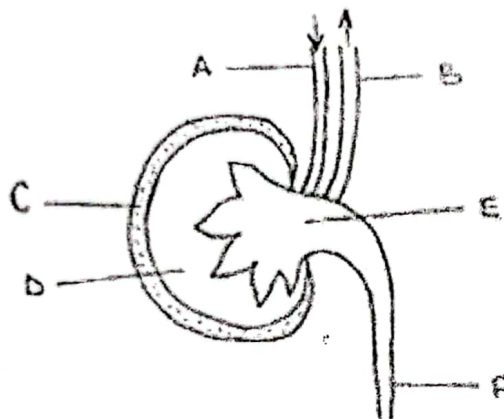
(c) State any **two** importance of muscles in the body.

(i).....

(ii).....

55. The diagram below shows a cross section through a kidney.

Use it to answer the questions that follow.



(a) Name the parts marked **A** and **B**.

(i) **A**.....

(ii) **B**.....

(b) Identify the process that takes place in part marked **C**.

.....

(c) Write down **one** disease that affects the above organ.

.....

GOOD LUCK