



HILLSIDE PRIMARY SCHOOL  
**BEGINNING OF TERM TWO EXAMINATIONS**

**2024**

**INTEGRATED SCIENCE (SET FOUR)**

*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

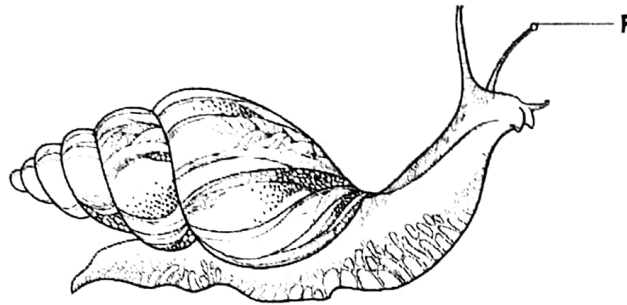
1. Name the type cloud which is the furthest in the sky.  
.....
2. Mention any one way of preventing diseases without using drugs.  
.....  
.....
3. Give a reason for mulching banana plantations.  
.....  
.....
4. Why is a lion not grouped under domestic animals?  
.....  
.....
5. Write **PHC** in full.  
.....
6. **In the space provided below, draw a symbol of a fuse**  
  
.....
7. Which nutritional deficiency disease is likely to attack a child who lacks proteins in his body?  
.....
8. Give any one function of the liver to man.  
.....  
.....

9. How does a chameleon protect itself from enemies?

.....

.....

**Study the diagram and answer the questions that follow.**



10. Identify any one importance of part marked with letter P

.....

.....

11. Give any one way of controlling mosquitoes at home.

.....

.....

12. How are feathers useful to birds?

.....

.....

13. State any one importance of seed dispersal in the environment

.....

.....

14. Define the term germination.

.....

.....

15. How are incisor teeth adapted to their function?

.....  
.....

16. What force is reduced by making rough surface smooth?

.....  
.....

17. How are valves important in blood circulation?

.....

18. Name the method that turns sugar added to water into alcohol.

.....

19. How can polio be prevented in infants?

.....  
.....

20 . Mention one way of increasing the strength of an electromagnet.

.....  
.....

21. Point out any one importance of demography in a country like Uganda.

.....  
.....

22. Cite any **one** law of reflection of light.

.....  
.....

23. State any **one** way of preventing rusting of metals.

.....

24. Mention **one** way of controlling ticks in goats.

.....

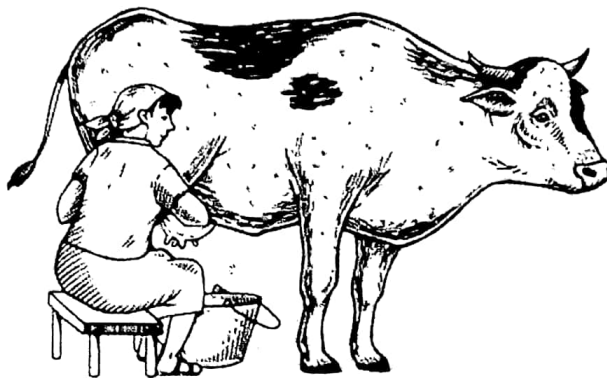
.....

25. Give **one** way how a farmer can increase the fertility of the soil.

.....

.....

**Study the diagram below and answer the question that follows.**



26. Which farm practice is shown in the diagram above?

.....

27. Suggest one way of caring for the human teeth.

.....

.....

28 . How is the skull an important part in the human body?

.....

29. What is the role of a queen bee in a hive?

.....

.....

**30. Name the type of leaf venation shown in the diagram below.**



.....  
**31. Why do bees visit flowers?**

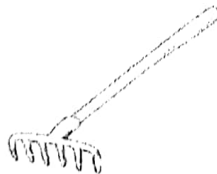
.....  
**32. How is the propagation of bananas different from that of onions?**

.....  
.....  
**33. State any one way of promoting proper hygiene of a home.**

.....  
.....  
**34. Why is water called matter?**

.....  
.....  
**35. How do hook worms enter our bodies?**

.....  
**36. How important is the garden below to a farmer?**



37. Identify one importance of shadows to people.

.....  
.....

38. Which disease in human beings is caused by bacterium known as shigella?

.....

39. Write down one way animals depend on plants.

.....  
.....

40. Give any **one** example of wheel and axle as used in machines.

.....

## SECTION B

41a). What are vertebrates?

.....  
.....

b) Mention any two vertebrate animals that use lungs for breathing.

(i).....

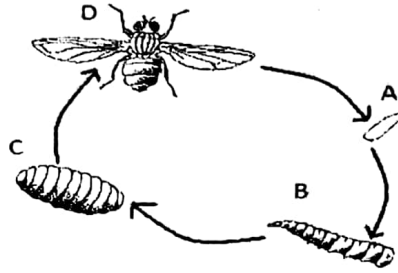
(ii).....

c) How important is blubber to sea mammals?

.....  
.....



**42. The diagram below shows the life cycle of a housefly. Use it to answer questions that follow.**



a) Identify the type of life cycle shown in the diagram above.

.....  
 .....

b) Name the stage marked with letter **A**.

.....

(c) How is stage marked with letter **D** dangerous to human life

.....

(d) What name is given to the larva in the life cycle of a housefly?

.....

43a) What do we call the form of energy that enables us to see objects around us?

.....

b) Name any two natural sources of light energy in the environment.

(i).....

(ii).....

c) Give any one way how light is useful in our daily life.

.....  
 .....



44a) Mention any two examples of energy resources in the environment

(i).....

(ii).....

b) Give any **one** practice which pollutes air in the environment.

.....

c) How does the use of hydroelectricity useful in the conservation of the environment?

.....

.....

**45. Breathing is the inhaling and exhaling of air. Study the table below and complete it correctly.**

Composition of air	Inhaled air by percentage	Exhaled air by percentage
Carbon dioxide	.....	4%
.....	21%	16%
Nitrogen	78%	.....
Rare gases	.....	0.97%

46a) Give a reason why we give first aid to casualties.

.....

.....

b) State any **two** materials used in giving first aid.

(i).....

(ii).....

c) State one quality of a good first aider.

.....

.....

47a) Name any one dangerous substance found in tobacco.

.....

.....

b) Mention **two** types of smoking.

(i).....

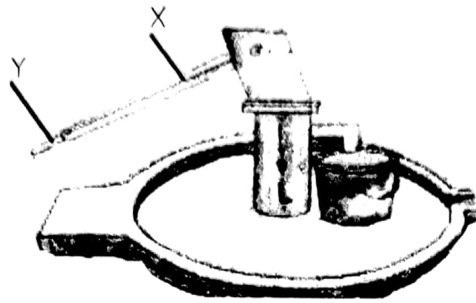
(ii).....

c) Give any **one** effect of smoking to the health of a pregnant woman.

.....

.....

**48. The diagram below shows a simple machine, use it to answer questions that follow.**



(a) Name the simple machine shown above.

.....

(b) Identify the class of lever to which the above machine belongs.

.....

.....

(c) Which of the following letters on the machine above shows the position where less effort can be applied to do work?

.....

(d) Write the energy resource obtained by the use of the above machine

.....

.....

**49(a) Give the main reason for keeping the following types of cattle.**

(i) Dairy cattle

.....

(ii) Beef cattle

.....

(b) Identify any one disease of cattle.

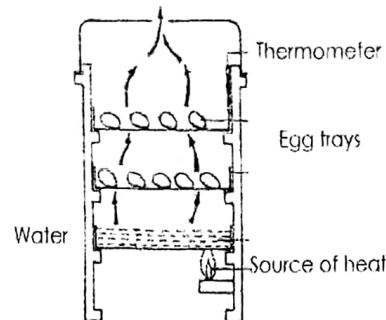
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c) How is a lactometer important to a cattle farmer?

.....

.....

**50. Below is a diagram of a structure on a poultry farm. Use it to answer the questions that follow.**



(a) What name is given to the above structure?

.....

(b) State the function of the thermometer in the structure above.

.....

.....

(c) Why is the above structure not used by most farmers in Uganda?

.....

.....

(d) State any one reason why an egg may fail to hatch under favourable conditions.

.....

51a) A stone has a mass of 30 g. Find its volume if its density is 10 g/cc. (2marks)

.....

b) Identify one method used in finding the volume irregular objects like a stone.

.....

.....

c) Give a reason why some objects float on water.

.....

.....

**52. Below is a diagram of a fungus. Use it to answer the questions that follow.**



a) Name the fungus shown above

.....

b) How does the fungus above reproduce?

.....

c) Why can't the fungus above make its own food?

.....

.....

(d) How is the above fungus useful to man?

.....

.....

53.a) Define the following terms as used in sound.

(i) Volume

.....

.....

(ii) Echo.

.....

.....

b) Which body organ uses sound as a form of energy to perform its function?

.....

.....

c) Mention any one natural source of sound in the environment.

.....

54. a) Give any two factors which affect the rate of transpiration.

(i).....

(ii).....

b) How important is transpiration to plants?

.....  
.....

c) Name the process in animals that similar to transpiration.

.....,

**55. Match the following correctly.**

**List A**

Skin  
Kidney  
Lungs  
Liver

**List B**

Bile pigments  
Sweat  
Urine  
Carbon dioxide

- (a) Skin .....
- (b) Kidney .....
- (c) Lungs .....
- (d) Liver .....

END