



HILLSIDE PRIMARY SCHOOL
BEGINNING OF TERM THREE EXAMINATIONS

2024

INTEGRATED SCIENCE (SET EIGHT)

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

Questions one to 40 carry one mark each

1. Name the method of making alcohol used for making wine.

.....

2. State the force found around magnets.

.....

3. Write down one factor that may lead teenage pregnancy.

.....

4. State the function of the cistern tank in a flush toilet.

.....

5. Give any one way in which children can promote sanitation.

.....

6. Mention any one effect of over blowing the nose.

.....

The diagram below shows a toothbrush. Use it to answer question 7 and 8.



7. Identify the part marked with letter **K**.

.....

8. State the function of part marked **K** during the brushing of teeth.

.....

9. Through which body organ does the oxygen we breathe in enter the human body?

.....

10. State any one way the screens on ventilators help to protect people from getting malaria.

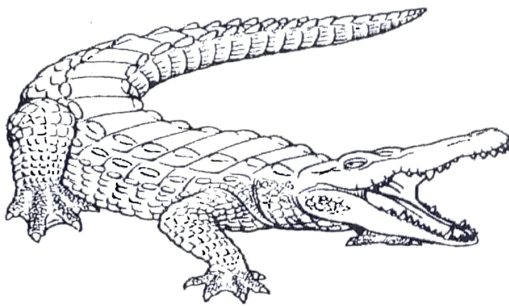
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11. How do puffballs reproduce?

.....

.....

The diagram below shows an animal. Study it and answer the questions **12** and **13**.



12. To which group of vertebrates does the animal drawn below belong?

.....

13. Why does the above animal have along strong tail and sharp teeth?

.....

.....

14. State the importance of a spore case to a moss.

.....

15. Name the renewable resource used to generate tidal energy.

.....

16. Give any one sign of trichomoniasis.

.....

.....

17. Identify the electrolyte that can be used in a flooded cell.

.....

18. State the behaviour of an object of mass 40g and volume of 10cc when placed in water.

.....

.....

19. Mention one other organism that causes dysentery apart from bacteria.

.....

20. Give any one characteristic of multipurpose trees.

.....

21. State any one way the government of Uganda has tried to conserve endangered wild life.

.....

22. Give any one chemical used to prevent pests of cattle.

.....

23. State the reason why crop farmers apply urea in their gardens.

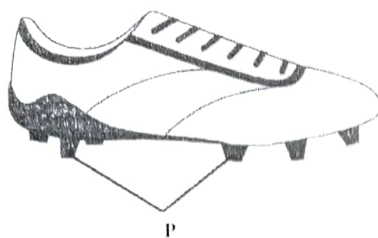
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24. Give any one characteristic of sponges.

.....

The diagram below shows a soccer boot. Use it to answer question 22 and 23



25. Name the structures marked with letter P.

.....

26. How do such structures help to increase friction during use by a soccer player?

.....

.....

27. Mention any one way the body loses heat apart from sweating.

.....

28. Write the term used to describe the growth response by plant roots towards gravity.

.....

.....

29. Give any one characteristic of chemical changes apart from forming new substances.

.....

30. State any one way a spiny anteater is different from other mammals.

.....

31. Mention any one example of an animal fibre.

.....

32. In the space provided below, draw the process of peristalsis in the gullet and indicate the region of contraction of muscles.
-
-
33. State the difference between the function of the tendon and the ligament in the muscular skeletal system.
-
-
34. Name the part of the joint that prevents bones from rubbing each other.
-
-
35. Name the type of latrines that separates urine from faeces.
-
-
36. State the reason why pure water is not recommended for drinking.
-
-
37. State any one danger of rusting of metals.
-
-
38. Mention any one form of sex deviation.
-
-
39. Mention any one example of a serious health concern in Ugandan communities.
-
-
40. Name the eye defect caused by a long eye ball.
-
-

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. a) State the difference between pitch of sound and volume of sound.

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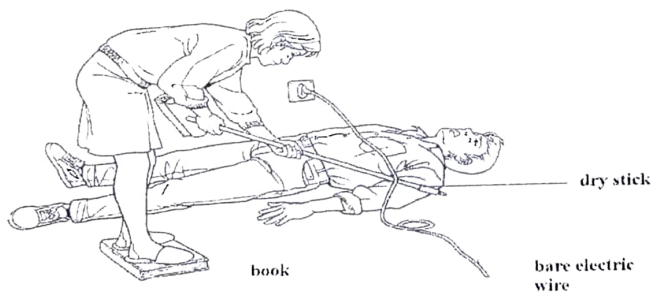
b) Write down any two factors that affect the pitch of sound.

- i)
- ii)

c) Give any one way of reproducing written sound.

.....

42. Study the diagram below and answer the questions that follow.



a) Describe what is taking place in the diagram above.

.....
.....

b) State the reason why the person is:

- i) Standing on a book.

.....

- ii) Removing the bare electric wire using dry stick.

.....

- iii) Mention **one** possible ways of preventing such accident at home.
-

43. The diagram below shows Anita taking soda using a straw. Use it to answer questions that follow.



- a) Identify the property of air drawn above.
-

- b) What will happen to the soda in the container when Anita blows air through the straw?
-
-

- c) Mention any **two** other properties of air.

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

44. a) Mention the class food that is first digested in the stomach.
-

b) State two ways in which hydrochloric acid is useful in the stomach.

i).....

ii)

c) Name the part of the alimentary canal that receives food from the stomach during digestion.

.....

45. a) Mention two conditions which may cause a VIP latrine to smell.

i)

ii)

b) State the reason why a VIP latrine should be constructed with a spiral wall.

.....

c) Give any one reason why the depth of a latrine should be shallower than that of a water source.

.....

.....

46. The diagram below shows a climbing plant. Use it to answer the given questions.



a) Name the structure marked K.

.....

b) State any two reasons why do plants with weak stems climb others.

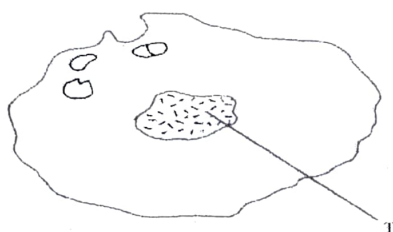
i)

ii)

c) Identify any one plant that climbs others.

.....

47. The diagram below shows a white blood cell. Use it to answer the questions that follow.



a) Name the part marked with letter T.

.....

b) Give any two ways white blood cells fight germs.

i)

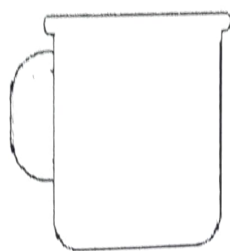
ii)

c) State the reason why blood group O is considered a universal donor.

.....

.....

48. The diagram below shows two cups made of different materials filled with hot milk. Use it to answer questions that follow.



plastic cup



metallic cup

a) Name the cup that will keep the milk hot for a longer time.

b) State the reason for your answer in a) above.

c) Which body organ enables us to tell that milk is hot?

d) State any one danger of taking very hot milk.

49. a) What is a school health committee?

b) Give any two roles of the school health committee.

i)

ii)

c) Mention any one member of the school health committee.

50.a) State any one reason why conduction and convection of heat energy that does not take place in a vacuum.

d) How does the cork of a vacuum flask minimize heat loss or gain?

c) Apart from the sun, mention any two other natural sources of heat energy.

i)

ii)

51.a) Give any one physical difference between a boy and a girl during the onset of adolescence.

b) State any two emotional characteristics common in adolescent boys and girls

i)

ii)

c) Suggest any one way parents can manage emotional changes in adolescent boys and girls.

52. a) Give any two uses of wind mills.

i)

ii)

b) State any one way in which wind helps to dry wet clothes.

.....

.....

c) Mention any one danger of wind in the environment.

.....

.....

53. Give two ways wetlands are important in the environment.

(i).....

.....

(ii).....

.....

(b) Identify one activity that can lead to the destruction of wetlands.

.....

.....

(c) Which government body is responsible for protecting wetlands from encroachment?

.....

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54. Mention any two components of blood.

(i).....

.....

(ii).....

.....

(b) What role is played by one of the components above?

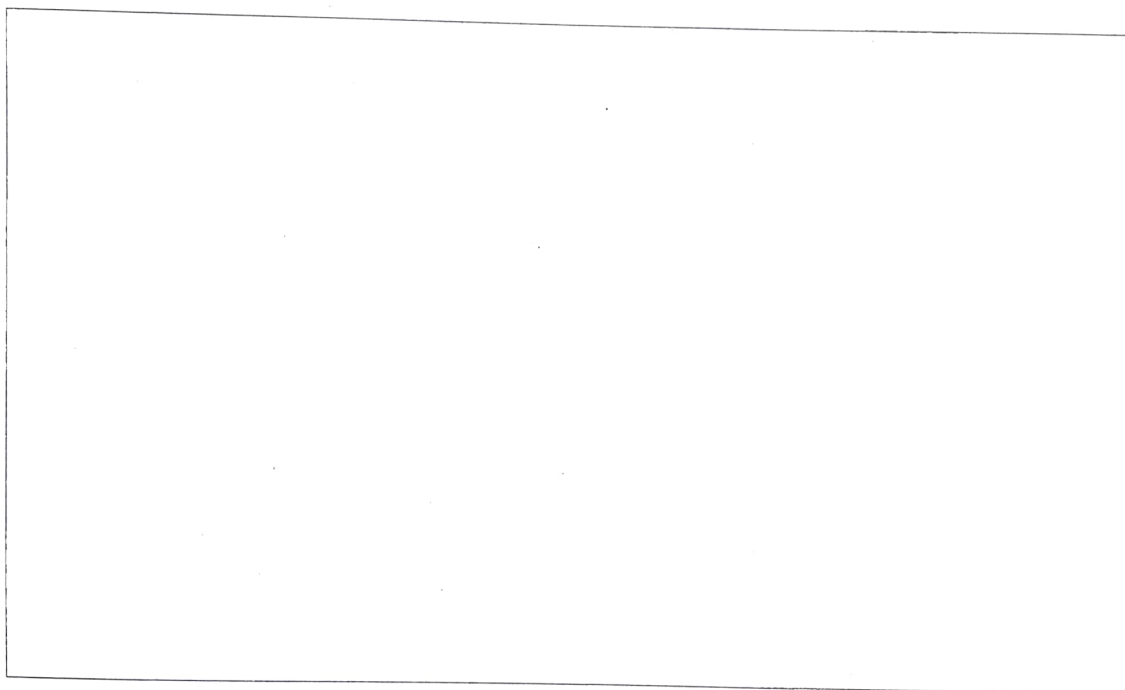
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(c) How is excessive bleeding dangerous to one's health?

.....
.....

55. Peter accidentally poured salt on sand. His teacher gave him a beaker, water, funnel, filter paper, a source of heat (fire) and a pan to help him get back the salt.

With the help of a diagram, describe how Peter can recover the salt from the sun using the given items.



END