



HILLSIDE PRIMARY SCHOOL

EXAMINATIONS

2023

INTEGRATED SCIENCE (SET FOUR)

Time Allowed: 2 Hours 15 Minutes

Index No.

Random No.						Personal No.		

Candidate's Name.....Stream.....

Candidate's Signature.....

EMIS No.....

District Name.....

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. Give any **one** way of caring for our eyes.
.....
2. Mention any **one** example of a swimming bird.
.....
3. State any **one** type of magnets.
.....
4. Name any one renewable energy resource in the environment.
.....
5. What is the best way of controlling tick borne diseases in cattle?
.....
.....
6. What do we call the structures fish use to breathe?
.....
7. Explain how a millipede protects itself from enemies.
.....
8. Name one tool which is used for transplanting.
.....
9. Give any one way plants depend on some birds.
.....

10. Point out any one type of honey bees.

.....

11. State any one way of promoting personal hygiene.

.....

12. Give any **one** example of root tubers.

.....

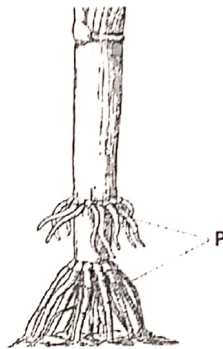
13. Write down any **one** type of pollination.

.....

14. Which food value is mainly obtained from sweet potatoes?

.....

Use the diagram to answers the questions **15** and **16**.



15. Name the roots marked **P**

.....

16. How are the roots named above important to a plant?

.....

17. Name the main source of energy in the environment.

.....

18. Identify any **one** block in a food path.

.....

19. Name any **one** chemical found in tobacco.

.....

20. Why is it not advisable to pour paraffin in a pit latrine?

.....

.....

21. State any **one** way of controlling the spread of HIV.

.....

.....

22. Draw a diagram showing a parallel beam of light.



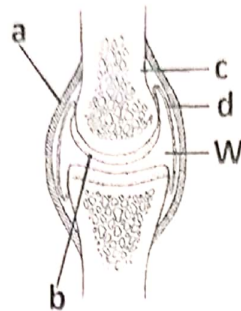
23. State **one** reason people give for cutting down trees.

.....

24. State any **one** example of sheep kept for wool production.

.....

The diagram below is of a joint. Use it to answer questions 25 and 26.



25. Name the part marked **W**

.....

26. How is the part named above important at a joint?

.....

27. State the difference between a burn and a scald.

.....
.....

28. Which type of electricity is obtained from fast flowing water?

.....

29. Name the fungus which is edible.

.....

30. Give any **one** example of a voluntary muscle.

.....

31. Name the instrument used to measure the human body temperature.

.....

32. Name the body organ that helps to store memory.

.....

33. State any **one** role of plasma in the body?

.....

34. Name the main part of a plant where food is made from.

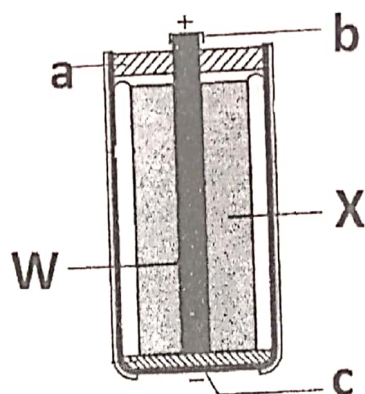
.....

35. What do you understand by the term first aid?

.....

.....

The diagram below shows a dry cell. Use it to answer questions **36** and **37**.



36. Name the part marked letter **W**

.....

37. What form of energy is produced by a dry cell?

.....

38. Why does the ministry of health encourage people to wear face masks when in public?

.....

.....

39. Point out any **one** natural method of family planning.

.....

40. How is a shadow formed?

.....

.....

SECTION B (60 marks)

41.a) What are invertebrates?

.....

.....

b) Give any **two** examples of molluscs.

(i).....

(ii).....

(c) Why is a snake regarded as a vertebrate?

.....

.....

42. a) Identify any **two** states of matter.

(i).....

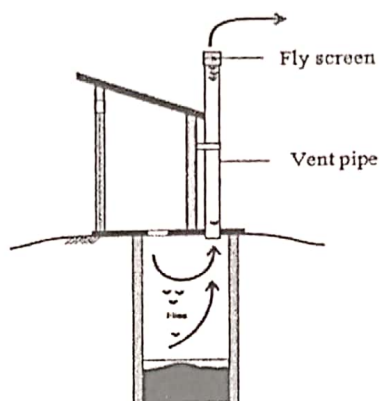
(ii).....

(b) State any **two** properties of air.

(i)

(ii).....

43. The diagram below shows a component of a clean home. Use it to answer the questions that follow.



(a) Name the component of a clean home shown above.

.....

b) State any **one** way of keeping component above clean?

.....

c) Outline any **two** diseases that can result from failure to keep the component above clean.

(i).....

(ii).....

44. a) Name any **two** breeds of rabbits kept by people in Uganda.

(i).....

(ii).....

(b) Give any **one** reason why people keep rabbits.

.....

(c) What is a female rabbit called?

.....

45. a) Give any **two** ways wetlands are important in the environment.

(i).....

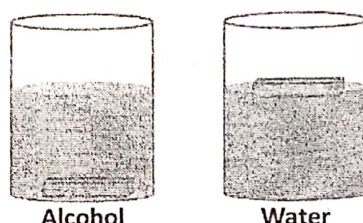
(ii).....

b) Mention any **two** ways people are destroying wetlands in Uganda.

(i).....

(ii).....

46. The diagram below shows an object when put in alcohol and then in water. Study it and use it to answer the questions that follow.



a) Why did the object sink when put in alcohol as shown above?

.....

b) Why did the object float on water?

.....
.....

c) Name any **two** objects which can sink in water.

(i).....

(ii).....

47 a) Apart from silk, mention any other two examples of natural fibres.

(i).....

(ii).....

(b) Name the animal that produces silk.

.....

(c) Give any **one** example of an artificial fibre.

.....

48. a) Point out any **two** agents of seed dispersal.

(i).....

(ii).....

(b) State any one characteristic of seeds dispersed by animals.

.....

(c) In the space below, draw a fruit dispersed by wind.



49. What is smoking?

.....
.....

b) Give two types of smoking.

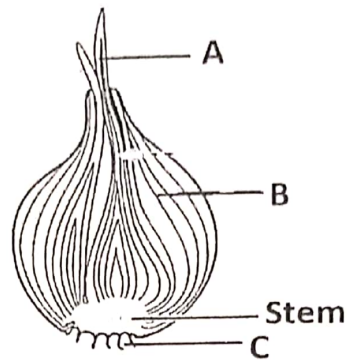
i)

ii)

c) State any **one** effect of smoking to an individual.

.....
.....

50. The diagram below shows the bulb of an onion. Use it to answer the questions that follow.



a) Name the parts marked **B** and **C**

(i) **B**.....

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

b) How important is part **A** to a plant?

.....
.....

(c) How is the above plant propagated?

.....

51. a) Briefly explain what each of the following means as used in sound;

(i) Pitch

.....
.....

(ii)Frequency

.....
.....

(b) State any one way of reproducing stored sound.

.....
.....

(c) Give any **one** device used to store sound.

.....

52. Study the table below and fill in the blank spaces

Excretory organ	Waste product
Lungs
Liver
.....	Uric acid
.....	Lactic acid

53. (a) Write in full **ORS**

.....
.....

(b) Mention the **two** solutes commonly used when preparing ORS locally.

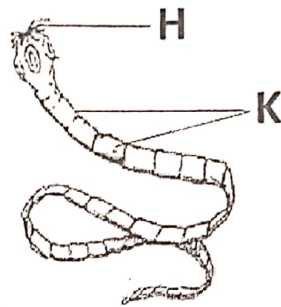
(i).....

(ii).....

(c) Why should **one** first wash the hands before preparing ORS?

.....
.....

54. The diagram below shows a tapeworm. Use it to answer the questions that follow.



(a) Name the parts parked H and K

(i).....

(ii).....

(b) What does a tapeworm feed on?

.....

(c) How do tapeworms enter our bodies?

.....

.....

55. Match the list in A to that in B correctly.

A

B

(i) Sound

Newtons

(ii) Power

Amperes

(iii) Weight

Watts

(iv) Current

Decibels

(i) Sound.....

(ii) Power.....

(iii) Weight.....

(iv) Current.....

END