



HILLSIDE PRIMARY SCHOOL

EXAMINATIONS
2023

INTEGRATED SCIENCE (SET EIGHT)

Time Allowed: 2 Hours 15 Minutes

Index No.

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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: 40MARKS

1. Give one activity that promotes personal hygiene.

.....

2. Name one artery that carries de-oxygenated blood.

.....

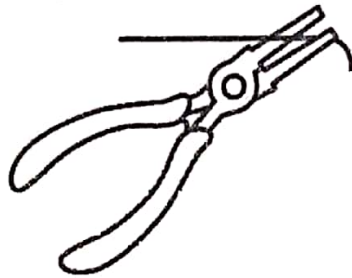
3. Name the process in plants which is both physical and biological change.

.....

4. In which unit is temperature measured?

.....

The Diagram below show a simple machine, Use it to answer question 5 and 6



5. To which class of levers does the machine belong?

.....

6. Use arrows with letter E to show the direction of effort movement.

7. Name the system of poultry keeping where birds are left to wander for their food.

.....

8. State one characteristic of insects pollinated flower.

.....

9. Give any one effect of alcoholism to an individual

.....

.....

10. Mention structural differences between a queen and a worker bee.

.....

11. Which digestive juice contains trypsin enzymes?

.....

12. How do weeds affect crop production?

.....

.....

13. Which property of light makes us fail to see around corners?

.....

State any one way in which the spread of diseases through water can be controlled at home.

.....

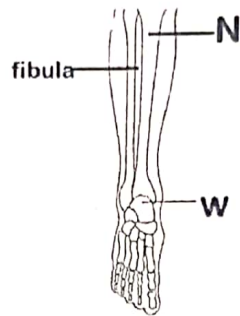
.....

14. Which component of soil helps in the formation of humus?

.....

.....

Study the diagram below and answer number 16.



15. Name the type of movable joint at W.

.....

.....

16. Which type of sickness in a home is caused by poor nutrition?

.....

.....

17. Give the value of having regular physical body exercise to the digestive system.

.....

.....

18. State the importance of micropyle to a germinating seed.

.....

.....

19. Which element of PHC helps to prevent deficiency disease in children?

.....

20. Give the adaptation of a frog to swimming in water.

.....

.....

21. In which way can the pitch of a panpipe be increased?

.....

.....

22. State the health danger of leaving rats in a living house.

.....

.....

23. Which exotic breed of goats is reared for mohair production?

.....

Study the diagram below and answer questions that follow.



24. I identify the type of injury the shown above.

.....

.....

25. Name one cattle pest controlled by use of acaricides.

.....

.....

26. Give one importance of breathing to the body.

.....

.....

27. State one way of moistening human skin.

.....

28. State any one important life skill that can safeguard school children from drug abuse.

.....

.....

29. Which condition in babies is shown by sunken fontanelle on the head?

.....

.....

30. Apart from jointed legs, state one other characteristics of arthropods

.....

.....

31. Give one way rusting is similar to germination.

.....

.....

32. State one importance of conduction as a method of heat transfer to people.

.....

.....

The diagram list below is of types of crops. Use it to answer questions 34 and 35.

Maize	Oranges	Millet	Pease
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34. Which of the crops above have root nodules in their roots?

.....

.....

33. In which of the crops above has root nodules in its roots.

.....

.....

35. Which of the above crops can be grouped together?

.....

36. State one way the breeding of fungi is similar to that of bacteria

.....

.....

37. Name the force that causes wear and tear of shoes soles.

.....

38. Give one importance of agro-forestry to animals.

.....

.....

39. Which set of teeth is common among infants?

.....

.....

SECTION B: 60 MARKS

41 a) State two dangerous substances found tobacco.

i)

ii)

b) Write down one way through which people smoke

.....

.....

c) In which type of smoking does a person inhale smoke directly from the burning cigarette?

.....

.....

42. a) What is an accident?

.....

.....

b) Give two causes of accidents in class.

i).....

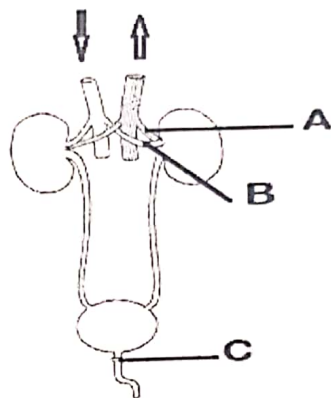
ii).....

c) State the main reason why accident victim should be given first aid.

.....

.....

43. The diagram below shows a urinary system. Study it and answer the questions that follow.



a) Name the blood vessel marked A.

.....
.....

b) Which type of blood is transported by the blood vessel B

.....
.....

c) Name the Sexually Transmitted Disease which affects part labeled C

.....

d) Why are kidneys referred to as excretory organs?

.....
.....

44. a) Give two examples of modern hives.

i).....

ii).....

b) State two advantages of modern bee hives

i)

.....

ii)

.....

45. a) Name the type of immunity acquired after immunization.

.....

b) Which vaccine is administered on the:

i) Right upper arm.....

ii) Mouth.....

c) Why is measles vaccine administered at 9 months?

.....

.....

46. a) Name two rare gases used in bulbs.

i)

ii)

b) Name the machines in which wind is used to produce electricity.

.....

.....

c) In which way is wind useful to a fisherman in a lake?

.....

.....

47. The diagram below shows a method of vegetative propagation use it to answer questions.



i) Name the method of vegetative propagation shown above.

.....

.....

b) State the importance of the fertile soil placed around the band.

.....

.....

c) Apart from the above method, give two other methods of vegetative propagation in fruit crops

i)

.....

ii)

iii)

48.a) In which way are dairy cattle different from beef cattle in terms of shape

.....
.....

b) Give two advantages of herding as a methods of grazing to animals.

i).....
.....

ii).....
.....

c) Identify any one cattle breed kept in Uganda

.....
.....

49.a) State the importance of threads put on car tires

.....
.....

b) Give two ways in which friction is reduced in airplane.

i)

ii)

50.a) In which way does the use of biogas protect trees in the environment?

.....
.....

b) Give two ways of conserving trees in the environment.

i).....

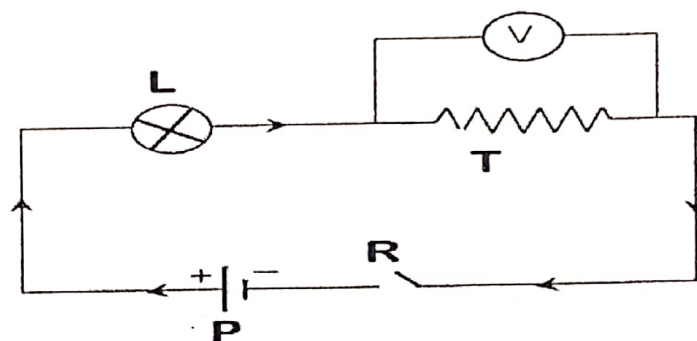
ii).....

c) What is the advantage of making energy saving charcoal stoves with clay?

.....

.....

51. The diagram below is of an electric circuit. Use it to answer questions that follow.



a) Name the part marked R in the circuit.

.....

b) State the energy change in part labeled L when R is closed.

.....

b) How is part R similar to part T in terms of their functions.

.....

.....

c) State the importance of part labeled P in the circuit.

.....
.....

52.a) State two characteristics of images formed by plane mirrors.

i)

ii)

b) Give a reason why it is not advisable to use clothes, stones, leaves in a toilet.

.....
.....

c) State two activities done after toilet use.

i).....

ii).....

53.a) State one way plants benefit from the sun.

.....

b) Why are plants regarded as producers in a food chain?

.....
.....

c) Give two ways animals depend on other animals.

i)

.....

ii)

.....

54.a) Study the table below and match the intestinal worms and the way they enter the body.

A	B
Round worms	Through eating under cooked meat or pork.
Hook worms	
Guinea worms	Through drinking contaminated water.
Tape worms	Through eating unwashed fruits.
	Through penetrating the skin of bare feet.

Roundworms.....

Hookworms

Guinea Worms.....

Tape worms.....

55.a) State how you can use a toilet whose flush does not work.

.....

b) Give a reason why it is not advisable to use clothes stone and leaves in a toilet.

i).....

ii).....

END