



HILLSIDE PRIMARY SCHOOL
MID TERM TWO EXAMINATIONS
2023

INTEGRATED SCIENCE (SET THREE)

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		

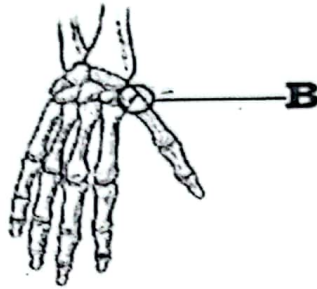
SECTION A:

- Why should one brush one's teeth after every meal?
.....
.....
- In the space below, draw the internal structure of a maize grain and name the cotyledon.
- Identify **one** effect of excessive diarrhea in human beings.
.....
.....
- Give **one** similarity between the function of spiracles of an insect and gills of a fish.
.....
.....
- How is malaria commonly spread among people?
.....
.....
- Why does clay soil retain (hold) water for a longer time than sand soil?

7. What happens to iron when it is exposed to water and oxygen?

.....
.....

8. Identify the type of movable joint labeled **B** below.



.....
.....

9. How does synovial fluid reduce friction at joints in the body?

.....
.....

10. Which structure makes a stem be used for propagation?

.....
.....

11. Identify the enzyme that acts on cooked starch in the mouth.

.....
.....

12. What benefit do crops get from animals in mixed farming?

.....
.....

13. Which stage of development in human beings is characterized by aggression and disobedience?

.....
.....

14. Why is it important to regularly weed crops?

.....
.....

15. Which pigment in the skin determines the skin colour?

.....
.....

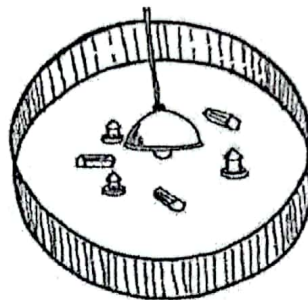
16. Identify **one** way in which the electricity produced from Jinja reaches its consumers in Bushenyi?

.....
.....

17. State the danger of improper use of the toilet/latrine.

.....
.....

18. The structure shown below is commonly found at a poultry farm.
Name it.



.....

19. To which group of vertebrates do we classify chameleon?

.....
.....

20. Name **one** electrical appliance you know.

.....
.....

21. Mention any **one** advantage of paddock grazing.

.....
.....

22. Why is a clinical thermometer an important tool in a health facility?

.....
.....

23. Express **30°C** in °F.

.....

24. Why is osmosis an important process to plants?

.....
.....

25. Mention **one** secondary sex characteristic in female adolescents.

.....
.....

26. Of what importance is water in Oral Rehydration Solution?

.....
.....

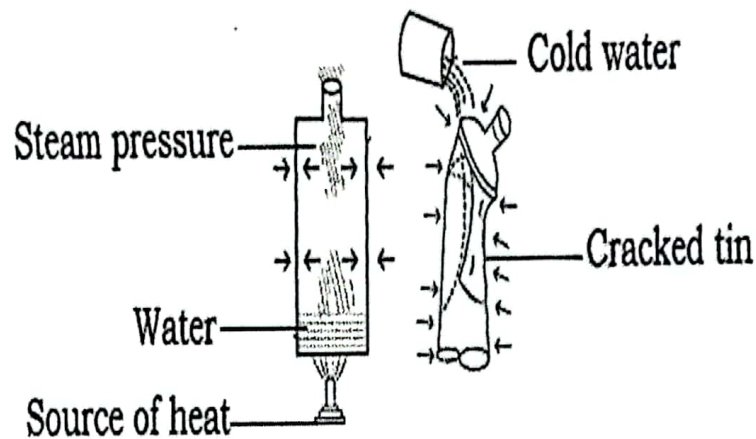
27. By what process does food move through the alimentary canal?

.....
.....

28. How are snakes different from other reptiles in terms of movement?

.....
.....

29. What property of air is demonstrated by the diagram below?



.....
.....

30. How best can water be made safe for drinking?

.....
.....

31. Why do car tyres have treads on them?

.....
.....

32. How is the trachea adapted to its function?

.....
.....

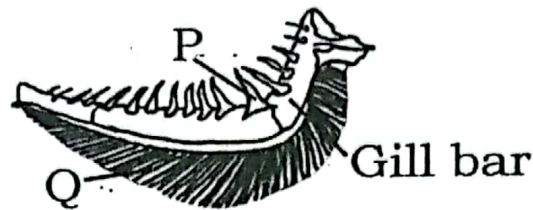
33. Give **one** way in which children in P.2 can use clay soil.

.....
.....

34. How are lizards living in a residential house important?

.....
.....

35. Name the part of the respiratory system of a fish marked P.



.....
.....

36. How should girls avoid teenage pregnancy?

.....
.....

37. How are the feelers of an insect important in its survival?

.....
.....

38. What role can an L. C 2 government official play in promoting immunisation against killer diseases among infants in a community?

.....
.....

39. Which disease is common in rabbits and poultry?

.....
.....

40. Give **one** situation of how doctors use magnets in hospitals.

.....
.....

SECTION B

41(a) Complete the table below correctly.

DISEASE	VACCINE
Cervical cancer
.....	BGC Vaccine
Haemophilus influenza type b

(b) Give one reason why immunization is important in one's body.

.....
.....

42(a) Why is first aid given to casualty?

.....
.....

(b) Why is it dangerous to make a victim who has swallowed paraffin to vomit?

.....
.....

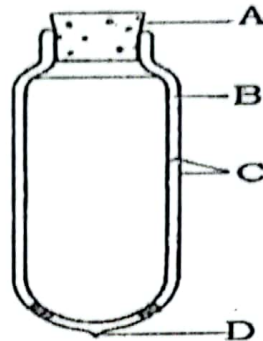
(c) What first aid would you give to a casualty with broken leg?

.....
.....

(d) How is a sprain different from a strain?

.....
.....

43) The diagram below is of a common domestic item. Use it to answer the questions that follow.



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

A.....

C.....

(b) How important is the part marked **D**?

.....
.....

(c) Give a reason why this item may not be found in some homes.

.....
.....

44(a) Name any **three** states of matter.

(i)

(ii)

(iii)

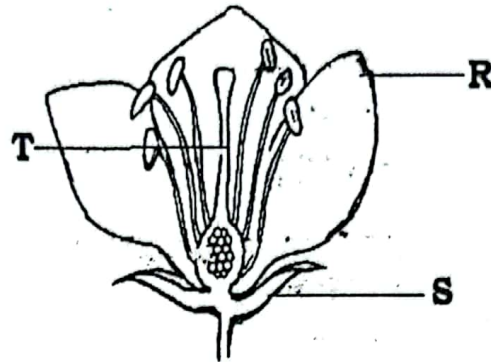
(b) Which metal is a liquid at room temperature?

.....
.....

(c) Why isn't it necessary to mulch a sweet potato garden?

.....
.....

48. The diagram below shows a female reproductive part of a flower.



a). Name parts:

- (i) R
- (ii) S
- (iii) T

(b) Why are flowers important to plants?

.....
.....

49(a) Give the two processes involved in alcohol production by distillation.

- (i)
- (ii)

(b) Where in the body is alcohol absorbed into the blood stream?

.....

(c) State one danger of alcohol to one's family.

.....
.....

50 Match members in **A** with those in **B**.

A	B
(i) Vitamin B1	Rickets
(ii) Vitamin B3	Pellagra
(iii) Vitamin D	Night blindness
(iv) Vitamin A	Beriberi
	Scurvy

Correct order

- (i). Vitamin **B1**
- (ii) Vitamin **B3**
- (iii) Vitamin **D**
- (iv) Vitamin **A**

51 (a) Name any two types of chicken reared in Uganda.

- (i)
- (ii)

(b) Which feed is given to the type of chicken named in (a) above?

- (i)
- (ii)

52(a) State any one product got from cattie.

.....

.....

(b) Why are the following practices carried out during the milking process?

(i) Washing the udder with warm water?

.....

.....

(ii) Filtering milk with a strip cup

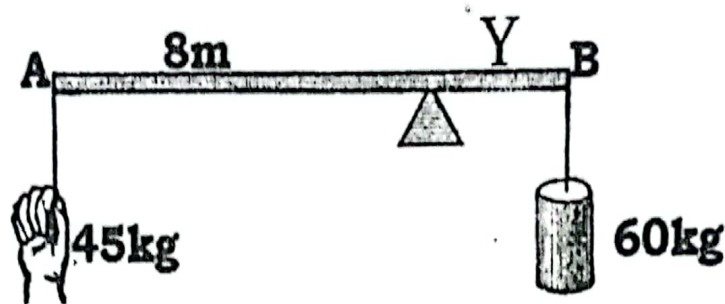
.....

.....

(iii) Oiling the teats:

.....
.....

53. The diagram below shows a lever. Use it to answer the questions that follow.



(a) Find the total distance of the wooden plank marked **AB**. (2 marks)

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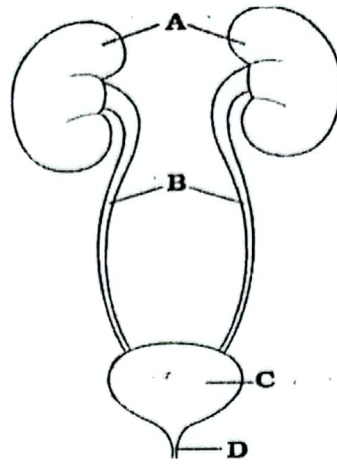
(b) Name one other simple machine in the same class as the one drawn above.

.....

(c) Name one simple machine grouped under second class lever.

.....

54. The diagram below shows one of the body systems..



(a) Identify the body system shown above?

.....

(b) Give a reason why blood goes to part A.

.....

.....

(c) In which part of the above system does selective reabsorption take place?

.....

(d) Mention any one disease that affects the above system.

.....

55. State the importance of the following in the human body.

(a) Skull:

.....

(b) Tendon:

.....

(c) Ligament:

.....

(d) Vertebral column:

.....