



HILLSIDE PRIMARY SCHOOL  
**BEGINNING OF TERM TWO 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		

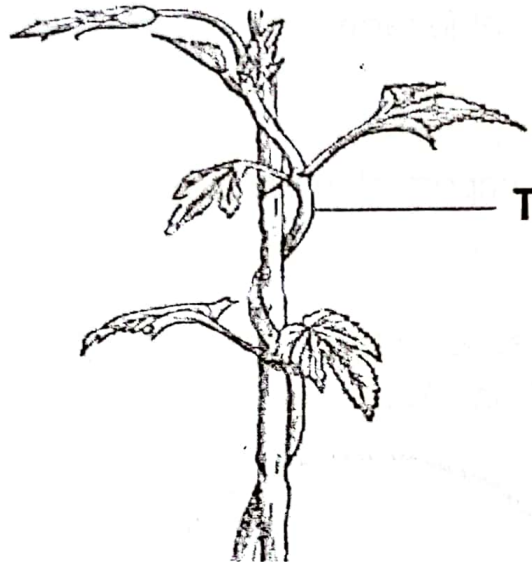
### SECTION A (40 Marks)

1. Name the hardest membrane that forms exoskeletons.  
.....  
.....
2. State the reason why the trachea should be kept open all the time.  
.....  
.....
3. Give one problem that can be faced by a girl who becomes pregnant at a young age.  
.....  
.....
4. Mention any one food element that is directly absorbed into the blood stream without undergoing the digestion process.  
.....  
.....
5. State any one activity done to control the spread of germs through water.  
.....  
.....
6. Give any one importance of a ladybird.  
.....  
.....
7. Give any one role of children in immunization.  
.....  
.....
8. State the purpose of tying splints on a fractured leg.  
.....  
.....

9. Mention the root system that develops from hypogeal germination.

.....

The diagram below shows a type of stem. Use it to answer 10 and 11.



10. Name the type of stem marked T

.....

.....

11. Mention any one plant with the type of stem marked T.

.....

.....

12. Give any one sign that indicates that a fuse is no longer working in an electric circuit.

.....

.....

13. Give any one use of water at home.

.....

.....

14. Give any one reason why it is dangerous to swallow drugs without the doctors's usage instructions.

.....  
.....

15. Mention any one farm activity that can help to prevent tick borne diseases on a cattle farm.

.....  
.....

16. How is soil sampling important in soil science?

.....  
.....

The diagram below represents an electric symbol. Use it to answer questions 17 and 18.



17. Name the electric symbol shown above.

.....  
.....

18. State the function of the electric symbol shown above.

.....  
.....

19. State one difference between the structure of an incisor tooth and a molar tooth.

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.....



20. Mention any way in which farmers can control the breeding of poor quality animals on their farms.

.....  
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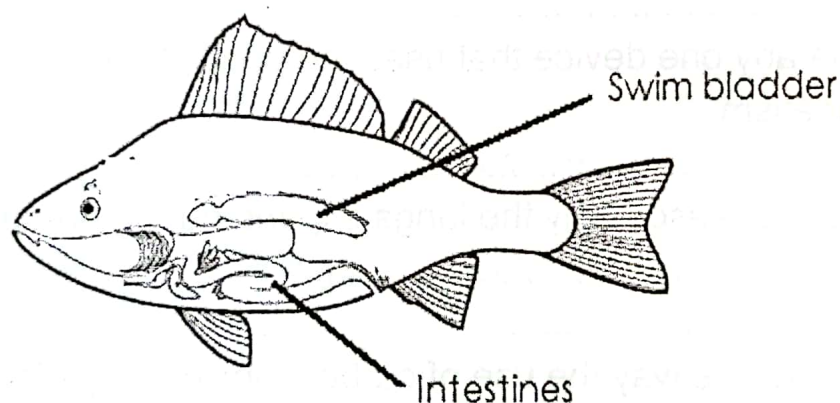
21. Give the function of sepals to a plant after the flower has opened.

.....

22. State one condition that can make women vulnerable people in a community.

.....  
.....

The diagram below represents a bony fish showing the swim bladder. Use it to answer questions **23** and **24**.



23. In what way is a swim bladder useful to bony fish in water?

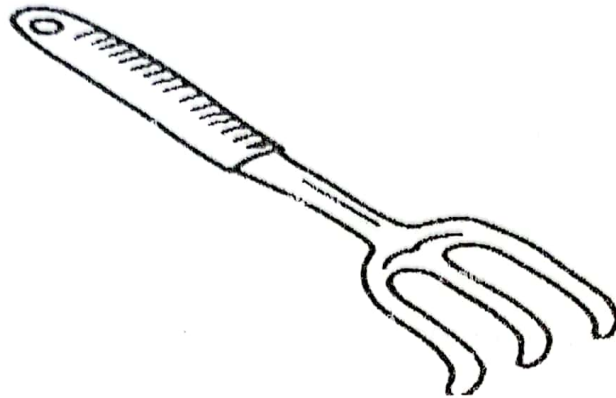
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.....

24. Mention any one example of a bony fish.

.....  
.....

25. State one characteristic of living things that enables them adapt to changes in the environment.  
.....  
.....
26. State any one disorder of the respiratory system.  
.....  
.....
27. Give any one activity that can be done to promote oral health.  
.....  
.....
28. State any one way in which the use of hydroelectricity helps to conserve the environment.  
.....  
.....
29. Name any one device that uses the principle of electricity and magnetism.  
.....  
.....
30. State the reason why the lungs expand during breathing in.  
.....  
.....
31. Give any one way the use of carbon dioxide helps to preserve soft drinks.  
.....  
.....
32. Apart from pine and fir trees, mention any one nonflowering plant that produces seeds in cones.  
.....  
.....

The diagram below shows a garden tool. Study it and answer questions 31 and 32.



31. Name the garden tool drawn above.

.....

32. State the use of the above garden tool in a crop farm.

.....

.....

33. State any one characteristic that enables a duck to swim easily in water.

.....

34. Give any one natural method of family planning used by married couples.

.....

35. State any one way people can safeguard animal resources in the environment.

.....

.....

36. Which part of a cockroach has the similar function as ears of a rabbit?

.....

37. State any one problem that results from not sorting clothes properly during the process of washing.

.....

.....

38. Give any one advantage of staking tomatoes in the garden.

.....

39. Give any one examples of a tuber crop.

.....

40. Name the kind of bacteria that helps in decomposition of organic matter to form humus.

.....

#### **SECTION B: 60 MARKS**

41. a) Mention any one type of poultry kept in Uganda.

.....

b) State any one way the following practices may harm poultry production.

i) Egg eating

.....

ii) Cannibalism

.....

c) Give any one way cross breeding improves the local breeds of poultry.

.....



(c) State any one way abnormal body growth can be prevented in humans.

.....  
.....

42. a) Mention the sexually transmitted disease (STD) that causes discharge of pus from the urethra in both males and females.

.....

(b) State any two ways children can safeguard themselves from getting sexually transmitted diseases.

(i).....

(ii).....

(c) Give a reason married couples are advised to treat STDs together.

.....  
.....

43. a) Give any one example of a bird of prey.

.....

(b)Mention any two characteristics of birds of prey.

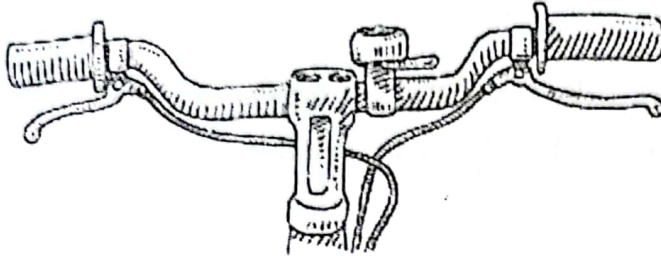
(i).....

(ii).....

(c)State any one importance of scavenger birds in the environment.

.....  
.....

44. The diagram below shows a bicycle handle. Study it and use to answer questions that follow.



(a) Name the group of simple machines where a bicycle handle belongs.

.....

(b) Mention any two examples of simple machines in the same group as a bicycle handle.

(i).....

(ii).....

(c) Give any one use of pulleys.

.....

.....

45. a) Name the type of breeze that takes place during day.

.....

b) State any two importance of air movements in the environment.

(i).....

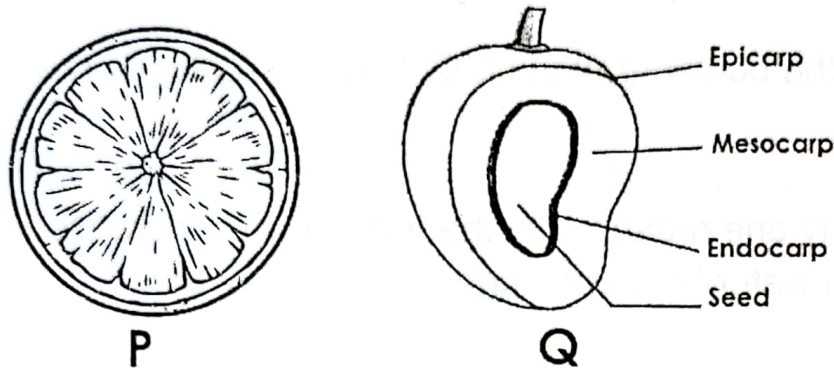
(ii).....

c) Give any one danger of strong air movements in the environment.

.....

.....

46. The diagram below shows succulent fruits. Study it and use to answer questions that follow.



(a) Name the group of succulent fruits marked P and Q

(i) P.....

(ii) Q.....

b) Mention any one example of succulent fruits marked P and Q.

(i) P.....

(ii) Q.....

47. a) State any two signs of oestrus cycle in nanny goats.

(i).....

(ii).....

(b) How long is the oestrus cycle in nanny goats?

.....

(c) Mention any one care given to a pregnant goat.

.....

48. (a) State the importance of the following structures on a cattle farm.

(i) Crush

.....

.....

(ii) Dip tank

.....  
.....

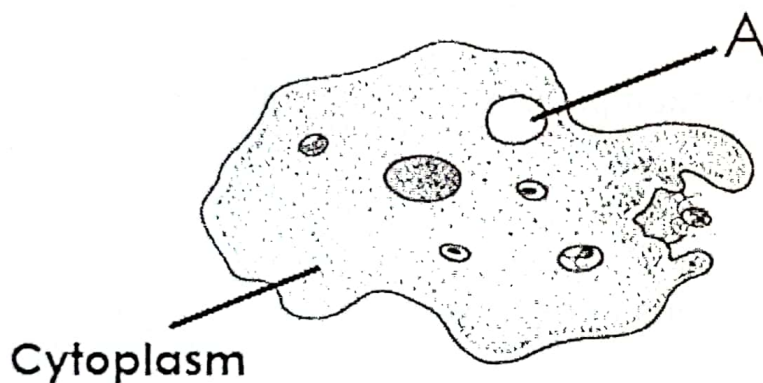
(b) Name the body organ in cattle that is greatly affected by mastitis.

.....

(c) Give any one reason why the teats of a cow are cleaned with warm water before milking.

.....  
.....

49. The diagram below shows a single celled organism. Study it and use to answer the questions that follow.



(a) Name the part labeled A

.....  
.....

(b) Mention any two ways single celled organisms move from one place to another.

(i).....

(ii).....

(c) Give any one way single celled organisms obtain their food.

.....  
.....



50. The list below shows organisms in a common habitat. Study it and use it to answer the questions that follow.

Rabbit	Plant	Bacteria	Lion
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(a) Identify the organisms that are grouped under;

(i) Trophic level one

.....

(ii) Trophic level two

.....

(b) Give the importance of bacteria in the feeding relationship above.

.....

.....

(c) State any one way in which bacteria may be a danger to the above niche.

.....

.....

51. The table below shows digestion processes. Use it to answer the questions that follow.

ORGAN	GLAND	DIGESTIVE JUICE	ENZYME
Mouth	Salivary gland	.....	Ptyalin
.....	Gastric gland	Gastric juice	Pepsin
Duodenum	Pancreas	Pancreatic juice	.....
Ileum	Ileum wall	.....	Maltase

52. a) Name the method of making alcohol where yeast is used.

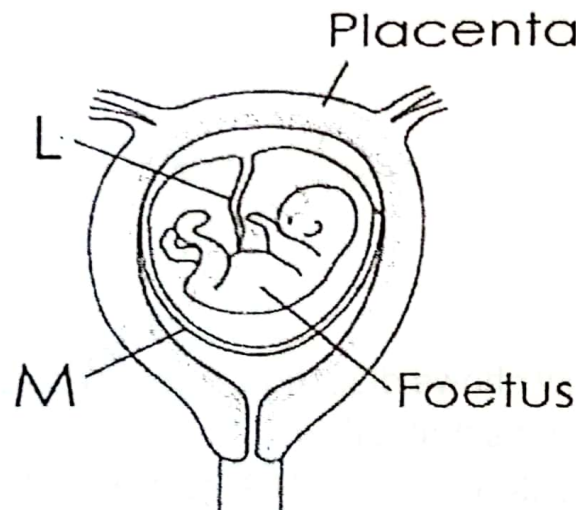
(b) State the role of yeast in the method of making alcohol above.

(c) Give any two factors that make people to start taking alcoholic drinks.

(i).....

(ii).....

53. The diagram below shows embryo development in the uterus. Study it and use it to answer the questions that follow.



(a) Name the part labelled **M**.

(b) State the importance of the vein in part labelled with letter **L**.

(c) Mention two requirements of a pregnant woman.

(i).....

(ii).....

54. (a) Give any one example of a good healthy life style in Primary Health Care (PHC).

.....

(b) State any two ways of informing people in the community in Primary Health Care.

(i).....

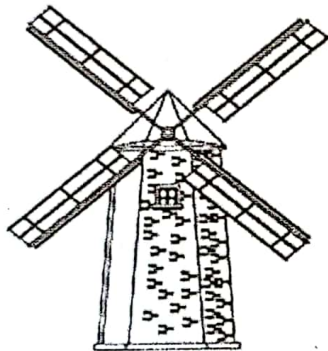
(ii).....

(c) Mention any one way children can play an active role in promoting Primary Health Care.

.....

.....

55. The diagram below represents a device constructed in a certain village. Study and use it to answer questions that follow.



(a) Name the device drawn above.

.....

(b) Identify the energy resource in the environment that helps the device drawn above to function.

.....

(c) State any two uses of the above device to people in villages.

(i).....

(ii).....

**END**