



HILLSIDE PRIMARY SCHOOL
BEGINNING OF TERM TWO EXAMINATIONS

2024

INTEGRATED SCIENCE (SET TWO)

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

1. What type of energy is possessed by water at 100°C ?

.....
.....

2. How do plants utilize the presence of carbon dioxide in the atmosphere?

.....

3. How is a stethoscope important to a medical worker?

.....
.....

4. Mention the measuring unit for weight.

.....

5. State one advantage of mulching

.....
.....

6. Which disease in cattle is spread by a tsetse fly?

.....

7. Calculate the mass of an object with density 8g/cc and volume 1.5cc

8. Apart from sisal, give any other example of a plant fibre.

.....

Study the diagram below answer questions below.



9. How are the above seeds dispersed?

.....

10. Give any one example of seeds dispersed by the above method.

.....

11. Besides hearing, State any other function of the ear.

.....

12. Kenneth was examined and found to be having lung cancer, what bad social habit could have resulted into this condition?

.....

.....

13. Of what importance is a lateral line to a fish?

.....

.....

14. How is a duck adapted to swim in water?

.....

15. Why do earth worms come out of the soil when it has rained?

.....

16. Give one economic value of alcohol.

.....

.....

17. Mention one example of antisocial behavior common at school.

.....

18. Name any one non-metallic conductor of electricity.

.....

19. Why is a crocodile grouped under oviparous animals?

.....

.....

20. Which body organ is responsible for regulation of blood sugars?

.....

21. Mention one condition under which drugs should be stored.

.....

22. Why is loam soil regarded as the best soil for crop growing.

.....

23. In the space below, draw a shape that describes a dairy cow

24. How does water from the roots move through the stem of a plant?

.....

.....

25. Give one example of a non-flowering plant that reproduces by means of spores.

.....

26. Why is filtration alone not enough to make water safe for drinking?

.....

.....

27. How do hook worms enter the human body?

.....

28. How are houseflies able to transmit germs to people?

.....

.....

29. Give one way how wind can be used for recreation.

.....

30. What type of change takes place when juice ferments to alcohol?

.....

31. Mention one pest that destroys tuber crops.

.....

.....

32. Which disease of rabbits is characterized by over sneezing?

.....

33. How are shadows formed?

.....

34. Give one way how plants depend on animals.

.....

.....

35. Which mineral makes the hardest part of tooth?

.....

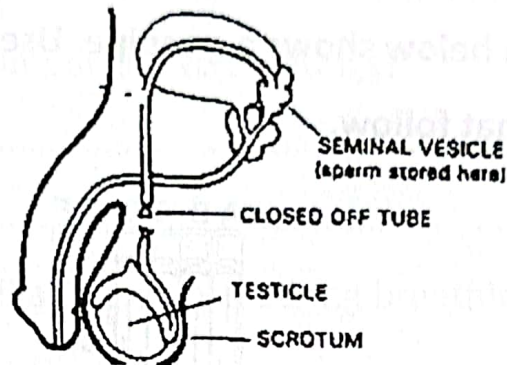
36. Suggest one way of conserving coal.

.....

37. To which group of living things does yeast belong?

.....

38. Identify the method of family planning shown in the diagram below.



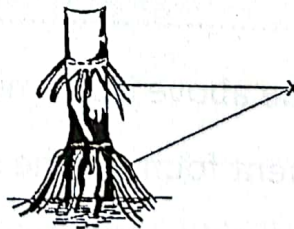
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39. Why are we advised to wash hands after using the latrine?

.....

The diagram below is of a root. Use it to answer question 40

40. Name the roots marked X.



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SECTION B

41. a) What are energy resources?

.....

.....

b) What is the main source of energy on earth?

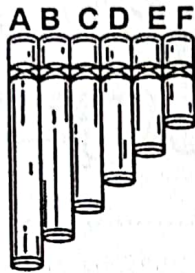
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c) Give **two** ways how water can be used as an energy resource.

(i).....

(ii).....

42. The diagram below shows a panpipe. Use them to answer questions that follow.



a) Which of the above vessels will produce sound of the;

i) Highest pitch.....

ii) Lowest pitch.....

b) Apart from the above instrument, state any other example of a musical instrument found in the same group.

.....
.....

c) How can the pitch of the drum be increased?

.....
.....

43. a) Explain what happens to each of the following when we breathe out.

i) Ribs.....

ii) Diaphragm.....

b) How is the pleural fluid important to the lungs?

.....
.....

c) Of what importance is cilia in the nose during breathing?

.....

44. a) How are the following plants propagated?

i) Cassava.....

ii) Carrots.....

b) State one advantage of vegetative propagation.

.....
.....

c) Mention **one** method under vegetative propagation.

.....

45. a) Cite any **one** example of health concern in a community

.....
.....

b) Give **two** ways of removing water impurities from water.

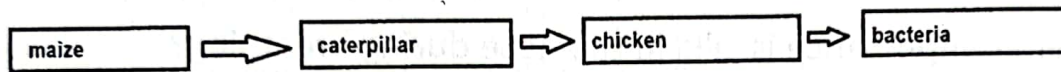
i).....

ii)

c) Why is distilled water not recommended for drinking?

.....
.....

46. Use the diagram below to answer the questions that follow



a) Name the feeding relationship shown above

.....
.....

b) Of what importance are decomposer in the above feeding relationship?

.....
.....

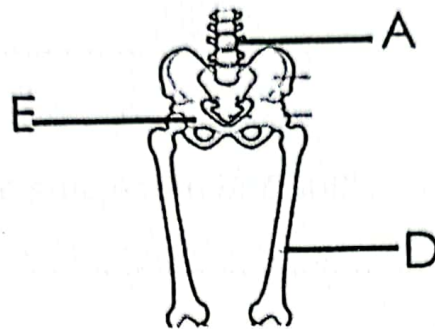
c) What do **arrows** represent in the above feeding relationship?

.....
.....

d) Why are plants called producers in the above feeding relationship?

.....

47. The diagram below shows a part of the human skeleton, use it answer questions that follow.



a) Name parts marked A and D.

A

D.....

b) Identify one important body organ protected by part A

.....

c) What type of movable joint is found at E?

.....

48. a) Mention **one** excuse people give for alcohol consumption.

.....

b) State one danger that results from excessive consumption of alcohol.

.....

c) Why are people selling alcohol advised to meet public health standards?

.....
.....

d) Mention **one** law about selling and processing of alcohol.

.....
.....

49. a) How does heat travel through each of the following substances?

i) Air.....

ii) Milk.....

c) Give any **two** effects of heat on matter.

i).....

ii).....

50. a) Give any **one** example under each,

(i) Natural source of light.

.....

(ii) Artificial source of light.

.....

(b) State any **one** property of light.

.....

.....

(c) Write down **one** type of reflection.

.....

51. The diagram below show one of the simple machines.



a) Name the pulley system above.

.....

b) Calculate the mechanical advantage of the above pulley system.

(2 marks)

c) Give any **one** application of the above pulley system at school.

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52. a) Why do farmers dock their sheep?

.....

.....

b) Identify **one** wool producer among sheep.

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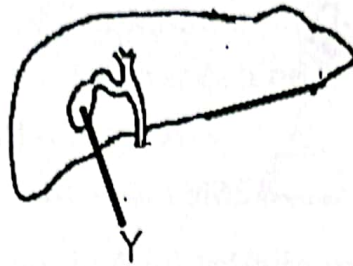
c) Mention **one** product obtained from wool.

.....

d) Name any **one** disease that affects sheep.

.....

53. The diagram below shows a human body organ. Use it to answer questions that follow.



a) Name the substance stored in part Y.

.....

b) Give any one function of the above organ.

.....

c) How is the substance stored in Y useful?

.....

d) Which social habit can lead to the damage of the above organ?

.....

54. Joan bought a knife shown in A and after some time its shape changed as shown in B.



A



B

a) Why did the knife become smaller as shown in B?

.....

b) Give **two** situations where the force that makes the knife appear as shown in **B** is useful.

i).....

ii).....

c) Name any **one** material that can be used to overcome the force illustrated in the diagram above.

.....

55. Match the words given in P with their meaning in Q

List P	List Q
Mass	Attraction between molecules of the same kind.
Weight	Quantity of matter in an object
Cohesion	Force exerted by an object due to gravity.
Matter	Anything that occupies space and has weight.

Mass
Weight
cohesion
Matter

END