



HILLSIDE PRIMARY SCHOOL  
**BEGINNING OF TERM TWO EXAMINATIONS**

2024

**INTEGRATED SCIENCE (THREE)**

*Time Allowed: 2 Hours 15 Minutes*

Index No.

--	--	--	--	--	--	--	--	--

Candidate's Name.....

Candidate's Signature.....

Stream.....

**Read the following instructions carefully**

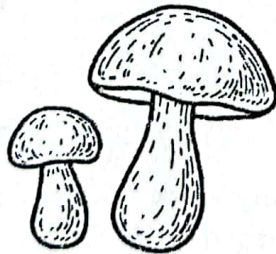
1. The paper has **two** sections: **A** and **B**.  
Section A has 40 questions and Section B has 15 questions
2. Answer **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers must be written using a blue or black ball-point pen or 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. Name the type of cloud which is the nearest to the ground.  
.....
2. Give any one function of the stem to a sugar cane plant apart from storing food.  
.....
3. Write down any one way bee keepers can protect themselves from bee stings when harvesting honey.  
.....
4. State the reason why plants are regarded as the beginners of every food chain.  
.....

The diagram below shows a fungus. Study it and use it to answer questions 5 and 6.

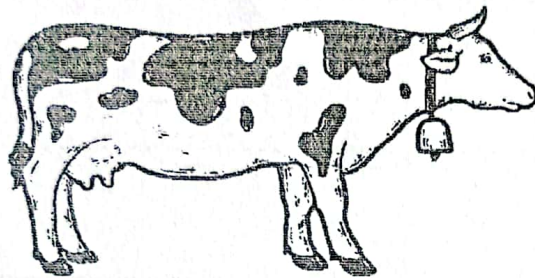


5. Give a reason why the fungus above is not able to make its own food.  
.....
6. State any one similarity between fungi and animals.  
.....

7. Apart from polio vaccine, mention any one other vaccine given to babies by putting drops in the mouth.  
.....  
.....
8. Mention any one waste product removed by the skin and kidneys.  
.....  
.....
9. Give any one way of saving charcoal during the cooking of food.  
.....  
.....
10. Mention any one sign of coccidiosis infection in goats.  
.....  
.....
11. State any one activity that promotes proper working of body organs.  
.....  
.....
12. Give any one cause of Juvenile delinquency in communities.  
.....  
.....
13. State any one way of preventing diseases that spread through air.



.....  
.....  
The diagram below shows a cow with a bell tied around its neck. Use it to answer questions 14 and 15.



14. Give one reason why cattle farmers tie bells around the necks of some animals on their farms.

.....

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

.....

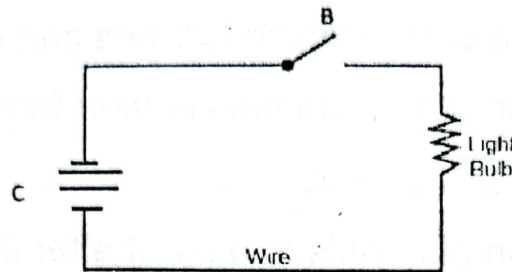
17. Give any one reason why it is dangerous to swallow drugs without the doctor's usage instructions.

.....

18. State any one reason why poultry farmers put perches in a deep litter house.

.....

The diagram below represents a simple electric circuit.  
Study and use it to answer questions 19 and 20.



19. Give the function of part C in an electric circuit.

.....

20. State the reason why the bulb fails to light even after B is closed.

.....

21. Name any one part of the human body where paired muscles are found.

.....

22. Give any one use of water at home.

.....

23. State any one characteristic of seeds dispersed by wind.

.....

24. Give any one way in which rusting of metals may be beneficial to the soil.

.....

.....

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

.....

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

.....

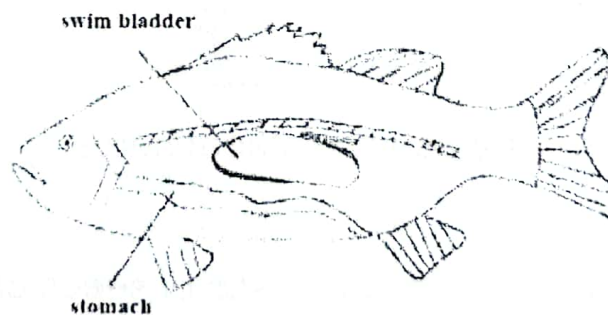
27. Give the function of sepals to a plant after the flower has opened up.

.....

28. State any one condition that can make women vulnerable people in the community.

.....

The diagram below represents a bony fish showing the swim bladder. Study and use it to answer questions 29 and 30.



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

.....

30. Mention any one example of a bony fish.  
.....
31. Name the part of the human ear that is connected to the throat.  
.....
32. Give any one method of preserving food that helps to kill germs.  
.....  
.....
33. State the method used by earthworms for movement in the soil.  
.....
34. Give any one reason why wood for charcoal is covered with soil before firing starts.  
.....
35. Mention any one difference between indigenous and exotic tree species.  
.....
36. State one characteristic of living things that enables them adapt to changes in the environment.  
.....
37. Give any one reason why an ostrich is not able to fly.  
.....



38. Give any one sign of rickets in children.

.....

39. State any one reason why a victim of severe burns and scalds is encouraged to drink a lot of fluids.

.....

40. Give any one reason why permanent methods of birth control should be discouraged among people.

.....

### SECTION B

41. (a) Name any **two** activities that can be done by children to prevent bad body smell.

i) .....

ii) .....

(b) Apart from having a bad body smell, mention any one other danger of improper body hygiene.

.....

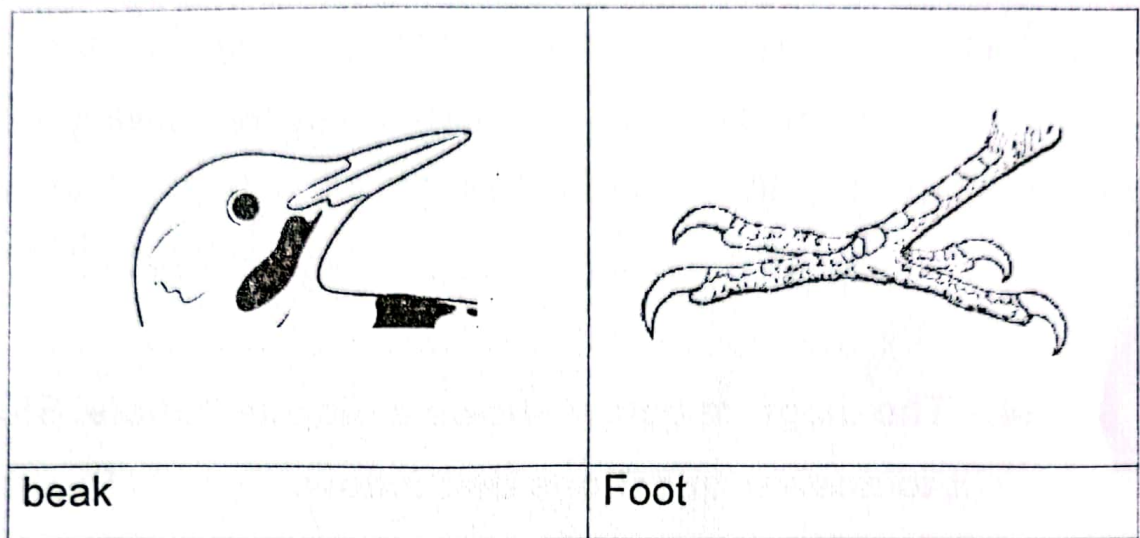
(c) Give any one disease that can cause a bad body smell.

.....

.....



42. The diagrams below show the foot and beak of a bird.



a) Give any one example of a bird with such a type of beak and foot.

.....

b) Identify the group of birds with the type of foot and beak shown.

.....

c) In what way do the parts of the bird shown help it have a proper life in its environment?

i) Foot: .....

ii) Beak: .....

43. a) Mention any one way natural changes can cause environmental degradation.

.....

b) Give any two man made causes of environmental degradation.

i) .....

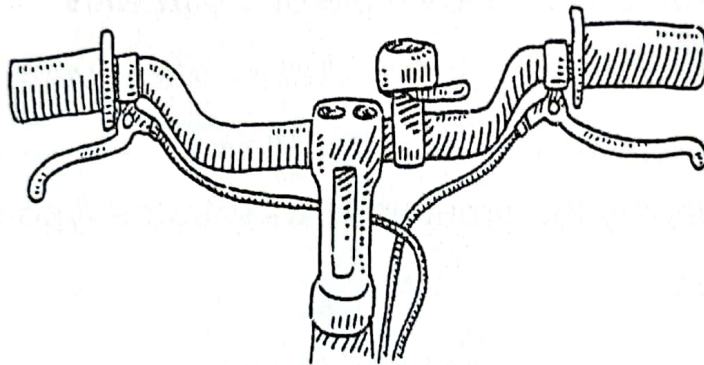
ii) .....

c) In what way does the use of electricity for cooking help to conserve the environment?

.....

.....

**44. The diagram below shows a bicycle handle. Study and use it 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) State any one sign of growth in living things.

.....

b) Apart from growth, mention any two changes that take place in living things.

i) .....

ii) .....

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

.....

46. a) Name the type of objects that do not form shadows.

.....

b) Give any two uses of shadows in our daily lives.

i) .....

ii) .....

c) State any one way in which shadows can be a danger to human life.

.....

47. a) Apart from sisal and banana fibres, mention any two other examples of plant fibres.

i. ....

ii. ....



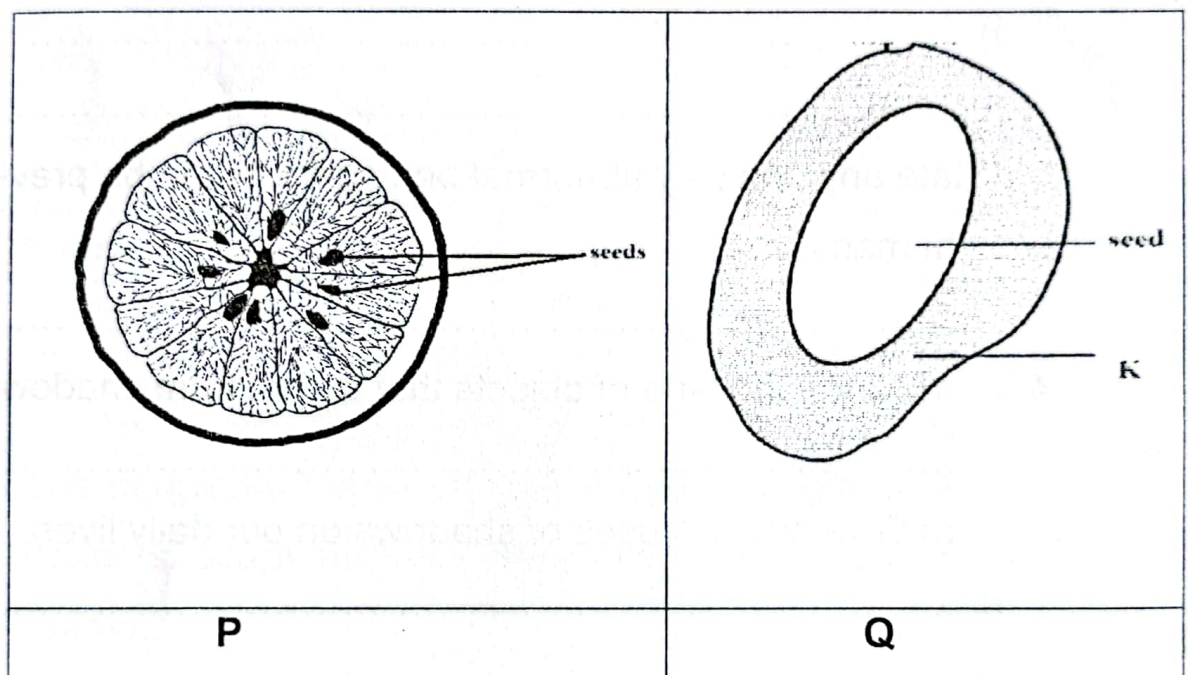
b) Mention any one source of animal fibres in the environment.

.....

c) Give any one way people use fibres in the environment.

.....

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



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

i) P.....

ii) Q.....

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

i) P.....

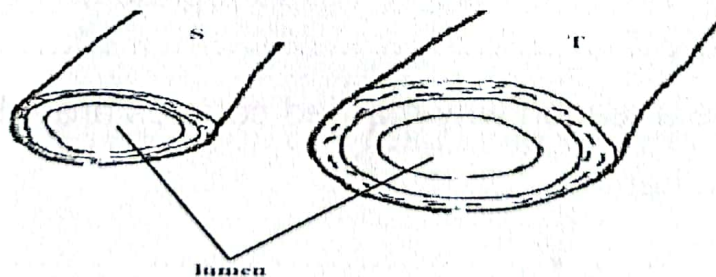
ii) Q.....

49. Peter accidentally poured salt on sand. His teacher gave him a beaker, water filter paper, a source of heat (fire) and a pan to help him get back the salt.

Describe in four sentences how Peter will recover the salt from the sand.

- i) .....  
.....
- ii) .....  
.....
- iii) .....  
.....
- iv) .....  
.....

50. The diagrams below show the different types of blood vessels. Study and use them to answer questions that follow.



- a) Name the blood vessel marked S.

.....

b) State any **two** structural differences between blood vessel marked **S** and **T** as shown in the diagram.

i) .....

.....

ii) .....

.....

c) Name the blood vessel that transports digested food from the ileum to the liver.

.....

51. 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 safe guard themselves from getting sexually transmitted diseases.

i) .....

ii) .....

(c) Give a reason why married couples are advised to treat **STD's** together.

.....



52. The table below shows human body organs the system to which they belong and the organs function. Study and complete it correctly.

Organ	System	Function
Lungs	Respiratory	.....
.....	Circulatory	Pumps blood
Skin	.....	Removes sweat
Testes	Reproductive	.....

53. a) Give any one sign of soil erosion on land.

.....

- (b) Name any one agent of soil erosion.

.....

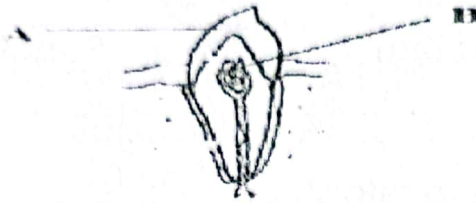
- (c) State any one danger of soil erosion.

.....

- d) Explain how de-vegetation can result into soil erosion in an area.

.....

54. The diagram below represents a canine tooth. Study and use it to answer questions that follow.



- a) Apart from calcium, mention any one mineral salt that helps in the formation of part A.

.....

- (b) Give a reason why part labeled B is sensitive.

.....

- c) Mention any one cause of damage to part labeled A.

.....

- d) State any one way of caring for teeth.

.....

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

.....

- b) State any two importances of air movements in the environment

i) .....

ii) .....

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

.....