



HILLSIDE PRIMARY SCHOOL-NAALYA  
BEGINNING OF TERM THREE EXAMINATION  
PRIMARY SEVEN 2022  
INTEGRATED SCIENCE (SET TEN)  
Time Allowed: 2 Hours 15 Minutes

Index No. 

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Candidate's Name.....

Candidate's Signature.....

EMIS No..... Stream .....

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

1. Name the liquid which remains after sour milk has formed curd.

.....  
.....

2. Why do some objects sink in water?

.....  
.....

3. Mention any **one** example of a root tuber.

.....

4. Name **one** product got from silk worms.

.....

5. State **one** characteristic of insect pollinated flowers.

.....  
.....

6. How does a bugle produce sound?

.....  
.....

7. In which way does a caterpillar make use of the prickly hair on its body?

.....  
.....

8. Identify any **one** use of water in a home.

.....  
.....

9. Which property of air enables one to suck soda from a bottle?

.....  
.....

10. What name is given to the joints in the skull?

.....  
.....

11. State any **one** importance of wind to electric engineers.

.....  
.....

12. How does the amount of water vapour in the atmosphere  
affect the rate of transpiration?

.....  
.....

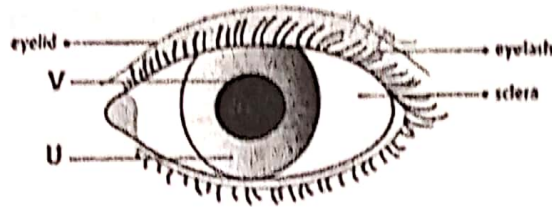
13. Name the fungus that is used to make antibiotics.

.....  
.....

14. State the difference in function between the gall bladder and  
the urinary bladder.

.....  
.....

Use the diagram to answer the questions 15 and 16



15. Name the part marked V

.....  
.....

16. Which part of a camera has same function as part U above?

.....  
.....

17. Why is the water called a renewable resource?

.....  
.....

18. State any **one** effect of refraction.

.....  
.....

19. Point out **one** characteristic of chemical changes.

.....  
.....

20. How are the ossicles important in the human ear?

.....  
.....

21. Give **one** example of a conductor of heat.

.....

22. Give any **one** example of a hoofed mammal.

.....

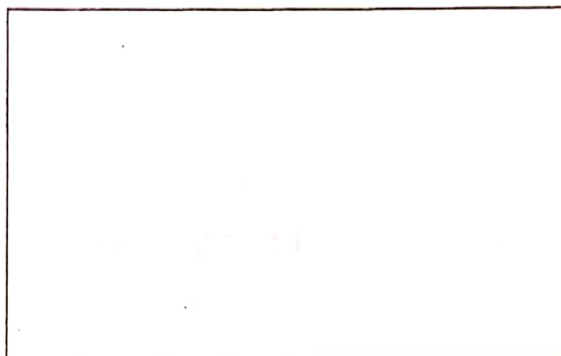
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23. Mention any **one** raw material for photosynthesis.

.....

.....

24. In the space provided below, draw an instrument used to detect mastitis in a cow.



25. How important is a bulb in an electric circuit?

.....

.....

26. Name the gas that is used to preserve semen.

.....

.....

27. What is a scald?

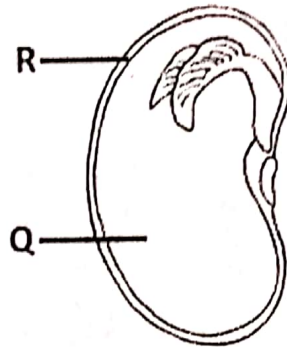
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28. How does trichomoniasis spread from one person to another?  
.....  
.....
29. State **one** importance of hair found in the nose.  
.....  
.....
30. Name the blood vessel that carries oxygenated blood to the liver.  
.....  
.....
31. In which **one** way is drought dangerous in the environment?  
.....  
.....
32. Why does blood go to the kidney?  
.....
33. Identify any **one** product make from sisal.  
.....
34. Why should a poultry farmer take records of finance on his farm?  
.....
35. Besides oiling and greasing, state one way how friction can be reduced or minimized.  
.....

Below is a diagram of bean seed. Use it to answer questions 36 and 37.



36. Name the part marked **R**.

.....

37. State the function of part marked **Q**

.....

.....

38. Identify **one** food value obtained from fish.

.....

.....

39. Give **one** characteristic of images formed in a pinhole camera.

.....

.....

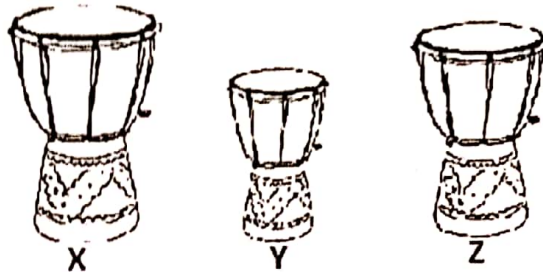
40. Mention **one** mineral salt lost from the body when a person develops diarrhoea.

.....

.....

## SECTION B

41. The diagram below shows three drums. Use it to answer the questions that follow.



(a) Which of the drums will produce:

(i) the lowest pitch?

.....

(ii) the highest pitch?

.....

(b) Mention any **one** way of caring for drums.

.....

.....

(c) How does altitude affect the speed of Sound?

.....

.....

42.a) State any **one** property of magnets.

.....

.....

(b) Identify **two** methods of making magnets.

(i).....

(ii).....



(c) How are magnets useful to doctors in a hospital?

.....  
.....

43. (a) Briefly explain the meaning of the following terms as used in agriculture.

(i) Mulching

.....  
.....

(ii) Weeding

.....  
.....

(b) Name the garden tool used for carrying out the following farm practices.

(i) Transplanting

.....  
.....

(ii) Harvesting cereals

.....  
.....

44. a) Give a reason why some farmers keep the following types of cattle.

(i) Beef cattle

.....

.....

(ii) Dual purpose cattle

.....

.....

(b) Give **one** example of dairy cattle.

.....

.....

(c) How can a farmer increase the milk production on his farm?

.....

.....

45. (a) What is soil profile?

.....

.....

(b) Give any **two** layers of soil.

(i).....

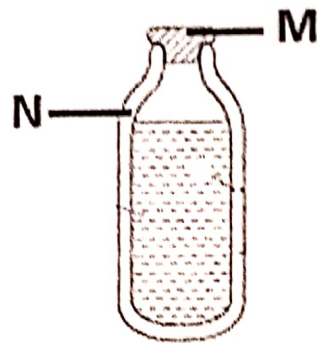
(ii).....

(c) Why is loam soil the best for crop growing?

.....

.....

46. Study the diagram below shows a thermos flask. Use it to answer the questions that follow.



(a) Name the parts marked **M** and **N**

(i) **M**.....

(ii) **N**.....

(b) State the importance of part **M**

.....  
 .....

(c) How is a thermos flask important in a home?

.....  
 .....

47. (a) What is immunity?

.....  
 .....

(b) Identify the immunization sites for each of the following vaccines.

(i) **OPV**.....

(ii) **BCG**.....

(c) Besides the vaccines administered, mention **one** other information found on a child health card.

.....  
.....

48.a) Identify the method of making alcohol where yeast is used.

.....  
.....

(b) Mention any **one** type of alcohol.

.....  
.....

(c) State any **two** effects of alcohol to a family.

(i).....

(ii).....

49.a) What are fowl vices?

.....  
.....

(b) Identify any **two** common fowl vices.

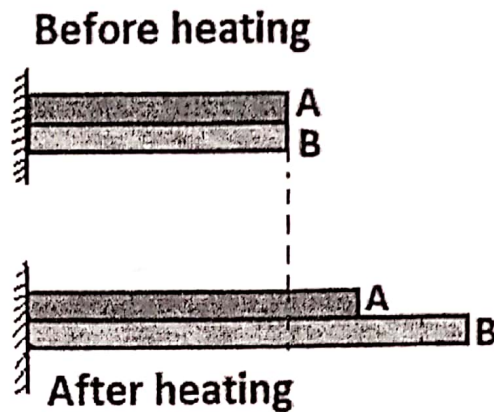
(i) .....

(ii) .....

(c) Mention **one** way of controlling fowl vices on a farm.

.....  
.....

50. The diagram below shows one of the effects of heat on metals. Use it to answer the questions that follow.



(a) Why did the metals become longer after heating?

.....

(b) Mention **one** effect of heat on metals besides the one shown above.

.....

(c) By what process does heat travel through:

(i) Liquids.....

(ii) Vacuum.....

51. a) Give the deficiency disease caused by lack of the following food values.

(i) Vitamin A.....

(ii) Iodine.....

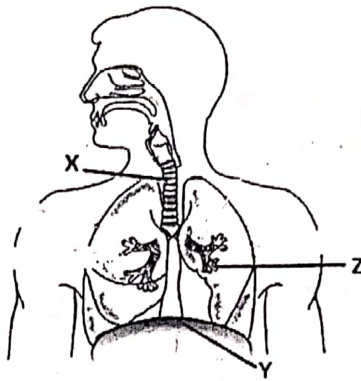
(b) Name any **one** source of the following:

(i) Proteins.....

(ii) Vitamin C.....



51. Below is part of the respiratory system. Use it to answer the questions that follow.



(a) Name parts marked

(i) X .....

(ii) Y .....

(b) Which process takes place in part Z?

.....

(c) Name one disease that affects the above system.

.....

53. (a) State any **one** difference between mass and weight.

.....

.....

(b) What happens to the mass of water when it freezes?

.....

(c) Calculate the density of an object which has a mass of 20g and volume of 10cc.

.....

54. a) Give any **one** reason why insects are grouped under arthropods.

.....  
.....

(b) Give the function of each part to an insect.

(i) Spiracles

.....

(ii) Halteres

.....

(c) Differentiate between social insects and solitary insects.

.....

.....

.....

**55. Study the words in group A and match correctly to those in B**

**A**

- (i) Phototropism
- (ii) Geotropism
- (iii) Hydrotropism
- (iv) Thigmotropism

**B**

- Plant response towards gravity
- Plant response towards touch
- Plant response towards water
- Plant response towards chemicals
- Plant response towards light

**Correct order:**

- (i) Phototropism.....
- (ii) Geotropism.....
- (iii) Hydrotropism.....
- (iv) Thigmotropism.....

**END**