

HILL SIDE PRIMARY SCHOOL - NAALYA  
P. 7 EXAMINATION 2023  
Integrated Science

Time allowed: 2 hours 15 minutes

INDEX NUMBER

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NAME: \_\_\_\_\_

Signature: \_\_\_\_\_

EXAMINER'S USE ONLY

Stream \_\_\_\_\_

Date \_\_\_\_\_

A	
B	
TOTAL	

Read the following instructions carefully:

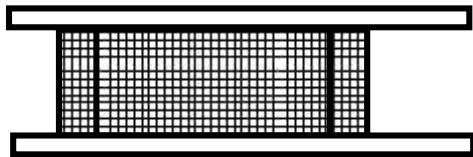
1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. Do not write anything in the box indicated examiner's use only.

PARENT'S COMMENT	SIGNATURE

SECTION A: 40 MARKS

1. Name the main source of energy for plants during photosynthesis.  
\_\_\_\_\_
2. Apart from houseflies and mosquitoes, name any one other flying disease vector.  
\_\_\_\_\_
3. Name any one other energy resource which can be use to sail boats apart from fuel.  
\_\_\_\_\_
4. How does the paddocking system control ticks in cattle?  
\_\_\_\_\_
5. Why are ventilators placed on top of windows or doors?  
\_\_\_\_\_
6. What advantage does biogas have over natural gas?  
\_\_\_\_\_

Below is a structure used in accidents. Use it to answer question 7 and 8.



7. Name the item above.  
\_\_\_\_\_
8. Give the use of the equipment above in giving first aid.  
\_\_\_\_\_
9. Give one reason why drugs should be stored in a cool dry place?  
\_\_\_\_\_
10. State the way in which clouds help to regulate temperature in the environment.  
\_\_\_\_\_

The diagram below is of a birds head. Use it to answer questions 11 – 12.



11. To which group of birds does the bird with the above foot belong?  
\_\_\_\_\_
12. How does this foot help the bird in terms of feeding?  
\_\_\_\_\_

13. Give one disease of the reproductive system which is caused by bacteria.

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14. List one way sound and light as forms of energy are similar.

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15. Point out one way how farmers in hilly areas control soil erosion.

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16. What is the density of an object whose mass is 10g and has a volume of 20cc?

17. State the use of a stretcher when administering first aid for fractures.

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18. Give any one way how people use plants as resources in the environment.

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19. In which way is a scald similar to a burn?

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20. Mention any one property of pure water.

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21. Write one reason why a leaf floats on water.

---

22. State the importance of a strip cup on a farm.

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23. Name the enzyme which digests food in the mouth.

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24. State the difference between heat and temperature.

---

25. How is immunisation important to the community?

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26. Which part of air do plants give out during the process of photosynthesis?

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27. Give one way how record keeping is useful to the poultry farmer in Wakiso town.

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28. Write down any one secondary sex characteristic that occurs in both adolescent boys and girls.

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29. What is swarming as used in bee keeping?

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30. Mention any one effect of HIV / AIDS in the community.

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31. Apart from protection, mention one importance of the egg shell to the embryo.

---

32. Write down the device used in measurement of weight.

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33. How is the skeleton important to an organism?

---

34. What is the use of echo to a sailor?

---

35. Why are we not advisable not to use water to put out petrol fire?

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36. Which metal can remain a liquid at room temperature?

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37. Mention any one component of the environment that supports aquatic life.

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38. Give any one way farmers control rats in their gardens.

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39. What do we call the arrangements of soil layers from bottom to top?

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Study the diagram below of a flower and use it to answer question 40.



40. What type of pollination is shown by the arrow taking place in the diagram above?

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#### SECTION B: 60 MARKS

41. a) Define the term "air".

b) Give the component of air that helps plants in the following:

i) Making of starch. \_\_\_\_\_

ii) Respiration: \_\_\_\_\_

c) State one danger of wind to a farmer.

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42. a) Give the importance of the following food values in the human body.

i) Calcium: \_\_\_\_\_

ii) Vitamins: \_\_\_\_\_

iii) Carbohydrates: \_\_\_\_\_

b) Why is it necessary for pregnant women to go for antenatal care?

---

43. a) What scientific name refers to animals that feed on Vegetation only?

---

b) Write two examples of the above animals in the environment.

---

c) Give one way the following animals protect themselves:

i) Caterpillar: \_\_\_\_\_

ii) Skunk: \_\_\_\_\_

44. The diagram below is one of the tools used by cattle farmers. Use it to answer questions that follow.



a) What name is given to the above tool?

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b) Write down the importance of the above tool to cattle farmers.

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c) Give a reason why cattle farmer;

i) Castrate animals: \_\_\_\_\_

ii) Spray their animals with acaricides: \_\_\_\_\_

45. a) Write down any three activities in PHC an individual can do in order to promote;

i) Personal hygiene: \_\_\_\_\_

ii) Oral health: \_\_\_\_\_

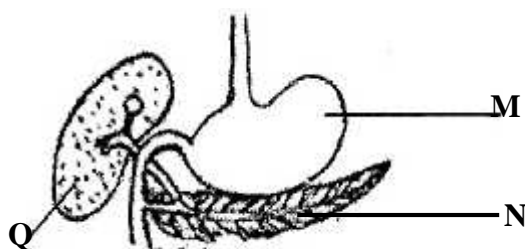
b) Which element of PHC is promoted by performing physical body exercises?

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c) Give one principle of PHC.

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46. The diagram below is part of a human body system. Use it to answer the questions that follow.



a) Name the body system drawn.

\_\_\_\_\_

b) What name is given to the parts marked N and M?

N \_\_\_\_\_ M \_\_\_\_\_

c) State the function of the part marked with letter Q.

\_\_\_\_\_

47. Match the following words in group A with those in group B to form a meaningful pattern.

A	B
Scapula	breast bone
Sternum	shoulder
Patella	collar bone
Clavicle	knee cap

i) Scapula \_\_\_\_\_

ii) Sternum \_\_\_\_\_

iii) Patella \_\_\_\_\_

iv) Clavicle \_\_\_\_\_

48. a) Give any two examples of crops that can be dispersed by;

i) Explosive mechanism: \_\_\_\_\_

ii) Wind: \_\_\_\_\_

b) Give any two advantages of seed dispersal in the environment.

i) \_\_\_\_\_

ii) \_\_\_\_\_

49. a) List any two ways plants benefit from;

i) solar energy: \_\_\_\_\_

ii) wind: \_\_\_\_\_

b) State any one danger of solar energy to plants.

\_\_\_\_\_

a) State one disease that affects rabbits.

\_\_\_\_\_

50. a) What are the two common methods used to prepare alcohol?

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Name the fungus used when making alcohol.

\_\_\_\_\_

c) Give the importance of alcohol to a surgeon.

\_\_\_\_\_

51. Complete the table on immunisation card below by filling in the missing word.

DISEASE	VACCINE	SITE	CAUSE
.....	BCG	Right Upper arm	Bacteria
Polio	Polio Vaccine	.....	Virus
Tetanus	DPT Vaccine	.....	Virus
Measles	.....	Left Upper arm	Virus

52. a) Apart from diarrhoea, write down two components of the 3Ds.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Mention the two major mineral salts which are lost by a person during excessive diarrhoea.

i) \_\_\_\_\_ ii) \_\_\_\_\_

53. a) Mention the system commonly practiced in rearing poultry in rural areas.

\_\_\_\_\_

b) Write down any two common vices in poultry.

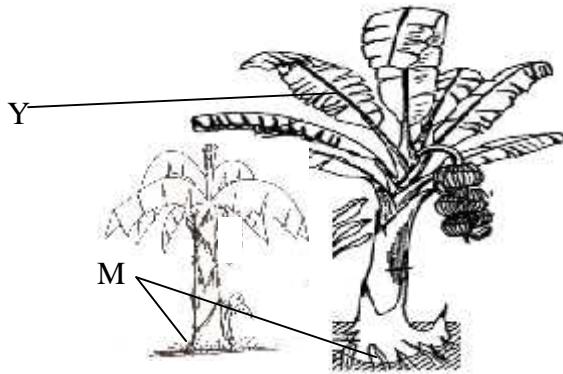
i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Give any one reason why litter is normally put in a poultry house.

\_\_\_\_\_

54. The diagram below is of a banana plant use it to answer questions that follow.



a) What scientific name is given to part marked with letter M?

\_\_\_\_\_

b) What process occurs at Y?

\_\_\_\_\_

c) Name any two plants which are propagated in the same way like the above.

i) \_\_\_\_\_

ii) \_\_\_\_\_

55. Joseph was given a drug with the following drug prescription 2 x 3

a) What does 2 x 3 mean as a drug prescription?

\_\_\_\_\_

b) If the drug is in tablet form, how many tablets would Joseph take in a day?

\_\_\_\_\_

c) Mention any two common drugs of abuse.

i) \_\_\_\_\_

ii) \_\_\_\_\_

END