

HILL SIDE PRIMARY SCHOOL - NAALYA
P. 7 EXAMINATION PAPER TWO-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 child hood immunisable disease that affects the liver.

2. Identify the sense organ used for tasting.

3. How important is the garden tool below to a crop farmer in Mbale?



4. What name is given to insect that transmits Chlamydia germs?

5. Of what importance is optimum temperature to a germinating seed?

6. How does brushing of teeth prevent tooth decay?

7. Why is a cotton seed easily dispersed by wind?

8. Define the term science.

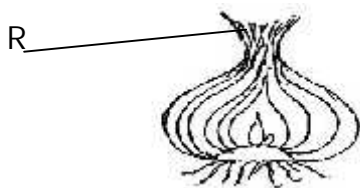
9. Name the type of teeth responsible for tearing food in human beings.

10. What name is given to the units used to measure sound energy?

11. Mention any one example of egg laying mammal.

12. How do trees help to purify air around the industry?

Use the diagram below to answer the questions that follow.



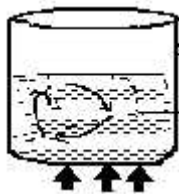
13. To which group of flowering plant does it belong?

14. How important is part marked R to the above plant?

15. Convert 10°C to $^{\circ}\text{F}$.

16. Name one of the solutes used when making ORS.

17. Name the method of heat transfer shown in the diagram below.



18. Define the term cohesion.

19. In which way are health parades useful at school?

20. What scientific term is used to refer to the crops that grow and mature within a year?

21. How do bed bugs protect themselves?

22. State any one example of a fossil fuel.

23. Name the force that enables primary seven candidates to write answer in a science paper.

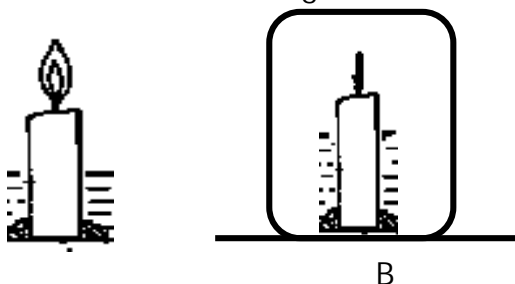
24. By what process does steam change to ice?

25. Mention any one example of exotic breeds of chicken kept in Uganda.

26. Why do objects weigh less when they are put in water than in air?

27. Of what importance are enzymes during the digestion of food?

The diagram below shows a burning candle use it to answer question 28.



28. Why does the candle flame go off in the diagram B?

29. How are halteres important to a flying housefly?

30. Which part of the body performs the same function like lateral line in fish?

31. State any one sign of a dehydrated child.

32. Give any one reason why vacuum flasks are not common in homes especially in rural areas.

33. Why do some farmers prefer rearing Saanen goats than Mubende goats?

34. Name the type of immunity gained after recovering from illness.

35. Point out any one way of controlling the bad smell in an ordinary pit latrine.

36. Name the fungus used in the production of alcohol.

37. Where does fertilisation take place in a local cow?

38. Give any one method of storing sound.

39. Cite any one mineral salt lost during excessive diarrhoea.

40. How can iron fillings be separated from sand soil?

SECTION B: 60 MARKS

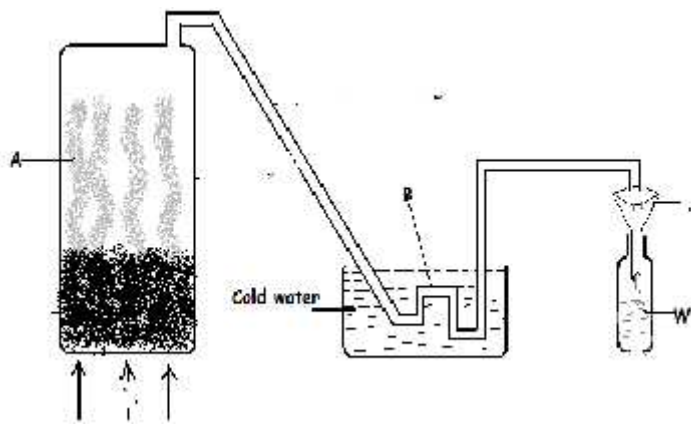
41. a) What is cross pollination?

b) Give any one way some plants control self – pollination.

c) Cite any one characteristic of insect pollinated flowers.

d) What happens to the pollen grains when they land on the stigma?

42. The diagram below shows a method of making alcohol. Study it carefully and answer the questions that follow.



a) Identify the physical processes taking place at A and B.

A _____ B _____

b) What is the importance of cold water in the above method?

c) Give a scientific name for the substance W.

43. a) Briefly explain the following term.

i) Weaning: _____

ii) Exclusive breast feeding: _____

b) State any one benefit of breast feeding to the community.

c) What advice can you give to a mother whose child is suffering from kwashiorkor?

44. a) What are poultry vices?

b) Mention any two causes of poultry vices.

i) _____

ii) _____

c) How does debeaking control poultry vices on a farm?

45. Adolescence is a transitional stage between childhood and adulthood.

a) Identify any one secondary sex characteristic common in both adolescent boys and girls.

b) How best can adolescent boys and girls protect themselves against STDs?

c) Mention any two permanent methods of family planning.

i) _____

ii) _____

46. Match the following terms to their meaning as used in sound energy.

A

B

Pitch

Number of vibrations per second.

Volume

Reflected sound

Amplitude

Highness or lowness of sound

Echo

Loudness or softness of sound

Width of sound vibration

i) Pitch: _____

ii) Volume: _____

iii) Amplitude: _____

iv) Echo: _____

47. a) Write PHC in full.

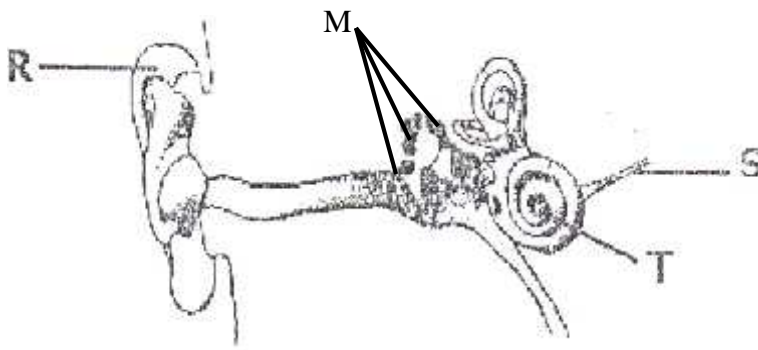
b) Point out any two principles of Primary Health Care.

i) _____

ii) _____

c) identify the element of PHC promoted by school children through proper disposal of rubbish.

48. Study the diagram below and answer the questions that follow.



a) Name part marked T.

b) State the function of part marked S.

c) Which part of the human ear helps air pressure?

d) How is the hearing organ of the frog different from that of a human being?

49. a) What is environmental degradation?

b) Write down two natural causes of environmental degradation.

i) _____

ii) _____

c) Point out any one effect of swamp drainage in the environment.

50. a) Define the term "Invertebrate".

b) State one characteristic common to all arthropods.

c) Give any one example of arachnid.

d) In which one way are arachnids different from insects?

51. a) What is soil exhaustion?

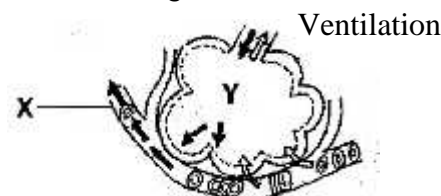
b) Mention any two causes of soil exhaustion.

i) _____

ii) _____

c) Suggest any one way of improving soil fertility.

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



a) Name the type of blood that passes through blood vessel X.

b) Give two adaptations that make the above part of the body to perform its function.

i) _____

ii) _____

c) To which body system does the above part of the body belong?

53. Use the list below to answer the questions that follow;

Cow snail tick butterfly

a) Which animals can be grouped together?

b) Give a reason to support your answer in a) above.

c) How is the cow different from all the other animals?

d) State the economic importance of snail to people.

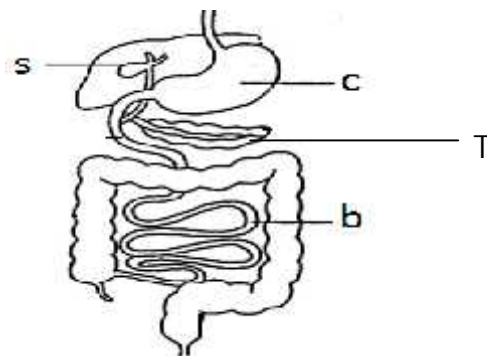
54. a) Name the instrument used to measure the human body temperature.

b) Identify one liquid commonly used in the above named instrument.

c) Give any one reason why the above liquid is preferred to other instrument.

d) Cite any one area where the above instrument is usually put to record the human body temperature.

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



a) What is the function of the liquid stored in part marked S?

b) Name the digestive juice produced by part T.

c) Identify any one disorder that affects the above body system.

d) How can the efficiency of the above body system be maintained?

END