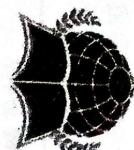


ENTEBBE PRIVATE SCHOOLS EXAMINATION ASSOCIATION



END OF TERM ONE PRIMARY SEVEN EXAMINATIONS 2023

BASIC SCIENCE AND HEALTH EDUCATION

Time allowed: 2 hours 15 minutes

INDEX NO.								

Candidate's name: _____

Candidate's signature: _____

District Name: _____

Read the following instructions carefully:

1. The paper has two sections: A and B
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer ALL questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil marks.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks
8. Do not fill anything in the boxes indicated for Examiner's use only.

FOR EXAMINER'S USE ONLY		
Qn. No	MARK	SIGN
1 - 10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-50		
51-52		
53-55		
TOTAL		

SECTION: A

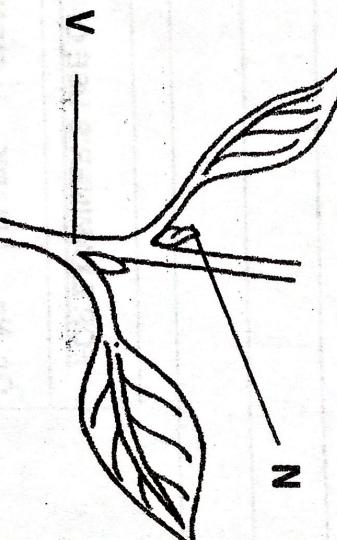
1. Identify any **one** form of energy got from the sun.

 2. Which part of a root tuber enables it to absorb water and mineral salts from the soil?

 3. State any **one** way of conserving minerals as a resource.

 4. How can a mixture of cooking oil and water be separated?

 5. Why do farmers carry out debeaking of poultry in poultry farms?

- The diagram below shows part of the skeleton. Use it to answer questions 7 and 8.
- 
6. Name part marked V.

 7. How is part marked N important to the plant?

 8. Apart from production of ova(eggs), state **one** other use of ovaries in the body of a woman.

 9. What food value is obtained from eating fruits?

 10. In which **one** way can water in tins and broken pots be a danger in our environment?

 11. State **one** disadvantage of keeping long finger nails to a school going child.

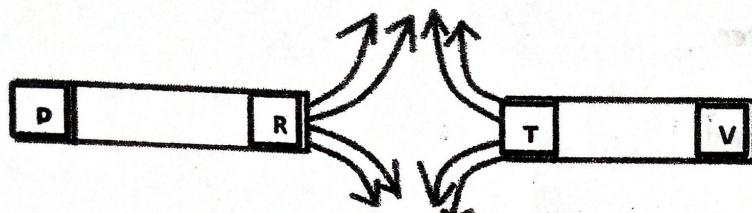
 12. State any **one** reason why is hardening off done in a nursery bed?

 13. State the adaptation of the villi to absorbing digested food.

 14. State any **one** way in which an apiarist protects his/her beehives from being damaged by honey badgers?

15. Give any one effect of poor disposal of faeces to human health.

The diagram below shows a property of magnets. Use it to answer questions that follow



16. Name pole marked P.

17. State the property of magnets shown above.

18. State any one method you would use to make dirty water clean.

19. Name the animal product used as a raw material in tanning industries.

20. To which group of invertebrates does a centipede belong?

21. How is the reproduction of yeast different from that of a puffball?

22. Give any one game played by the help of wind.

23. How does mulching of a banana plantation control soil erosion?

24. What is the function of suckers on a tapeworm?

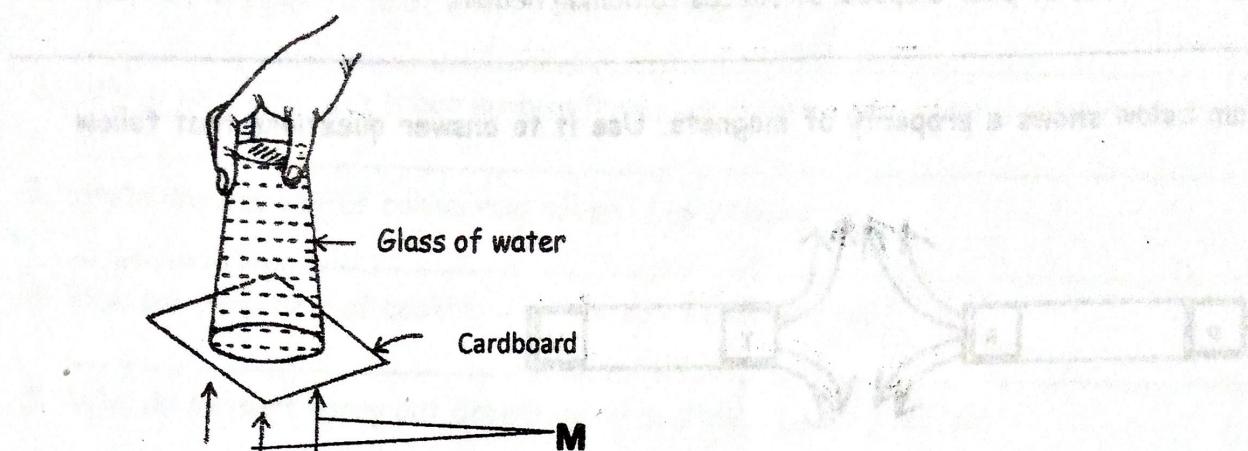
25. Which gas is used by food manufacturers for preserving soft drinks like soda?

26. State any one way in which heat transfer by convection is useful to people.

27. Give any one life skill that safeguards school children against smoking.

28. Give one example of spore bearing plant.

The diagram below shows an experiment carried out by p.5 pupil of a certain school. Study and use it to answer questions 30 and 31



29.What do arrows marked M represent in the above diagram?

30.How is the above property of air useful in our daily life?

31.By what process do some solids change directly to gas?

32.In which way are the nictitating membranes useful to a hawk?

33.Mention any one viral disease that attacks cattle.

34.State any one danger of frequent diarrhea.

35.Why are legs of a fainted victim raised slightly above the level of the head?

36.Which instrument is used to measure density of liquids?

37.State any one safety precaution which protects us from lightning.

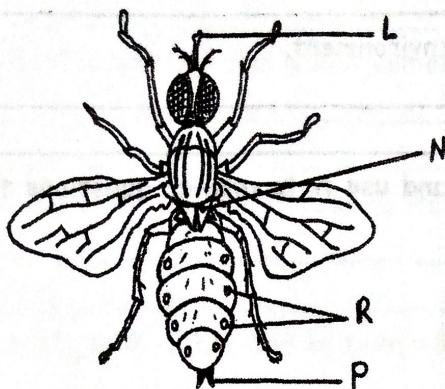
38.State any one property of water as matter.

39.Name the childhood immunisable disease which is prevented by boiling water for drinking contaminated.

40.Which type of soil has the highest rate of soil capillarity?

SECTION B

41. The diagram below shows external structures of an insect. Use it to answer.



a) Name the parts of the insect labeled L and N.

i) L - _____

ii) N - _____

b) In which one way do insects make use of part P?

C) Why would the above insect die when part R are blocked by oil.

42.a) What is meant by the term malnutritional diseases?

b) Write down any two examples of malnutritional disease.

c) State any one way a family member can avoid malnutritional diseases.

43.a) Give any two ways in which alcohol is used by health workers in hospitals.

i. _____

ii. _____

b) State any two effects of alcoholism to a family.

i. _____

ii. _____

44.a) State a farm activity that enables a farmer to;

i) Break the life cycle of some pests.

ii) Control plant population.

b) Give two advantages of pruning.

i. _____

ii. _____

45. a) Write down two renewable resources in the environment.

i. _____

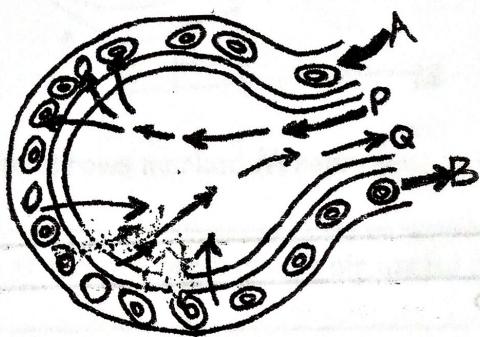
ii. _____

b) List down two ways of conserving animals in the environment.

i. _____

ii. _____

46. Below is part of the respiratory system. Study and use it to answer questions that follow.



a) Name the process shown in the diagram above.

b) Name the gases represented by arrows P.

P. - _____

c) Identify any one event that occurs to blood in the structure above.

d) Give the difference between blood at A and B.

47. a) How are the following seeds dispersed?

i. Coconut. _____

ii. Jacaranda. _____

b) State any one characteristic of fruits dispersed by animals.

c) State any one disadvantage of seed dispersal.

i. _____

ii. _____

48. a) State any one difference between weight and mass.

b) Give any one instrument used for measuring weight.

c) Name the force that determines the weight of an object.

d) What method of finding volume can a p.6 boy use to determine the volume of an Irish potato?

49. a) Give any two conditions in which women are considered vulnerable.

i. _____

ii. _____

b) State any two ways in which family members can care for vulnerable women.

i. _____

ii. _____

50. a) Why is digestion regarded as a chemical change?

b) Give any one condition that prevents metallic materials from rusting.

c) How does painting of metal surfaces prevent them from rusting?

d) State one importance of rusting in the environment.

51. In the table below, part A shows organisms and part B shows the group they belong in their wrong order.

A (Organisms)	B (group)
Spider	Insect
Silver fish	Mammal
Shark	Arachnid
Spiny anteater	Fish

Select from the table the correct group of organism and write in the spaces provided below.

- I. Spider _____
- II. Silver fish _____
- III. Shark _____
- IV. Spiny anteater _____

52. a) Name the immovable joint of the skull.

b) State the role of Vitamin D in strengthening bones in the body.

c) Name the structures which attach muscles to bones.

d) Why are Biceps and triceps grouped under antagonistic muscles?

53. Give any one components of soil.

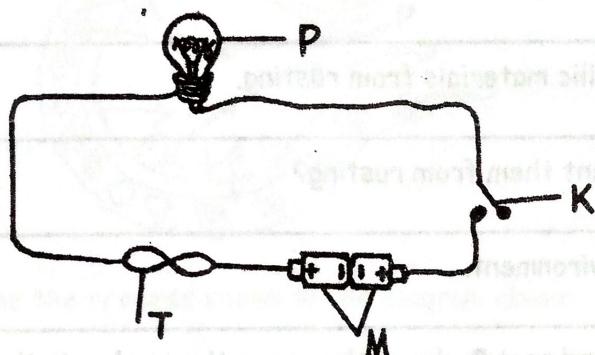
Water/ air/humus/mineral salts/rock particles/ living organisms

b) Which component of the soil is affected by excessive use of chemical fertilisers?

c) Name any one example organic fertilisers.

d) Give any one way in which polythene bags cause soil exhaustion.

54. The diagram below is of an electric circuit. Use it to answer questions that follow



a) State what happens to Part P when K was closed.

b) Give a reason for your answer in (a) above.

c) State any one energy change that takes place in part P when the circuit is complete?

d) In what form is electricity stored at part marked M.

55. a) Mention the female sterile bees in a beehive.

b) Write down any one enemy of honey bees.

c) Give a reason why a honey extractor wears bee veil on his face before harvesting honey from a bee hive.

d) Mention any one equipment used for stocking a beehive.

END