

**NAMAGUNGA PRIMARY BOARDING SCHOOL**  
**PRE-PLE REGISTRATION EXAMINATION - SET 1**  
**INTEGRATED SCIENCE - PRIMARY SEVEN (2024)**

*Time allowed: 2 Hours 15 Minutes*

**CANDIDATE'S NAME:** .....

**Date:** ..... **Stream:** .....

**Read the following instructions carefully.**

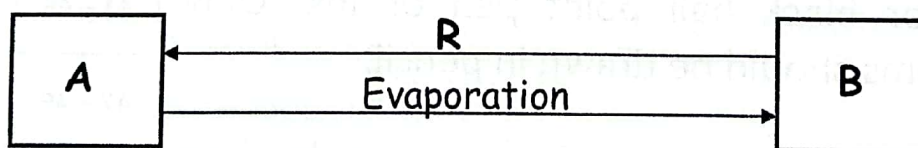
1. This paper has two sections **A** and **B**.
2. Section **A** has **40** short questions. (40 marks)
3. Section **B** has **15** questions. (60 marks)
4. Answer **ALL** questions. All answers to both sections **A** and **B** must be written in spaces provided.
5. All answers must be clearly written using blue or black ball point pen or ink. Only diagrams should be drawn in pencil.
6. Unnecessary changes of work may lead to loss of marks.
7. Do not fill in the boxes. They are 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 - 49		
50 - 52		
53 - 55		
TOTAL		

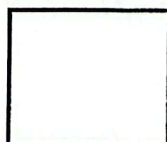
## SECTION A (40MARKS)

1. Name one bone that forms the human forearm.  
.....
2. How does blubber keep sea mammals warm ?  
.....
3. State the function of the copper strip in the working of a lightning conductor.  
.....
4. Explain how trees purify air in the environment.  
.....
5. Mention one local material applied in a conventional pit latrine to reduce bad smell.  
.....
6. Why do crop farmers carry out earthing up in their gardens?  
.....
7. State any one way of preventing the spread of skin infections among school children.  
.....
8. State one importance of cloud cover in the environment.  
.....

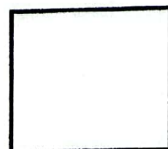
**The illustration below shows physical changes in the environment. Use it to answer questions 9 and 10 .**



9. Mention the state of matter marked **A** .  
.....
10. State the importance of process **R** in a water cycle.  
.....



11. Which part of the female reproductive organs releases hormones responsible for reproduction ?  
.....
12. Give one characteristic which makes loam soil the best for crop growing.  
.....
13. Why should children in a boarding school have well labelled towels?  
.....
14. Apart from the sun, mention one other natural source of heat energy in the environment.  
.....
15. Give one sign of protein deficiency in infants.  
.....
16. Give a reason why poultry should be reared in spacious rooms at home.  
.....
17. How is the feeding of a housefly similar to that of a tsetse fly ?  
.....
18. Give one factor that determines weight of an object.  
.....
19. State any one way in which community members get involved in immunisation programmes.  
.....
20. Give any one way of caring for people with special needs in our community.  
.....





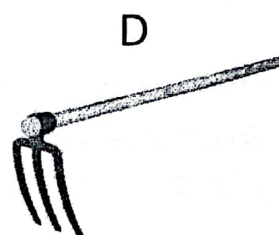
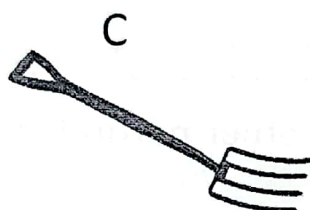
21. Why should the legs of a person who has fainted be raised higher than the head ?

.....

22. State the function of a bowl on a water-borne toilet.

.....

**Use the garden tools below to answer questions 23 and 24 .**



23. Name garden tool C .

.....

24. Give the difference between garden tools C and D in the way they are used on a crop farm.

.....

25. Why is it important to keep records in a farm of goats ?

.....

26. What type of electricity is obtained from steam from hot springs ?

.....

27. State one danger of high transpiration in plants .

.....

28. Mention any one way of caring for some mammals in the environment.

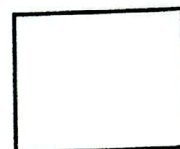
.....

29. Mention the crop pest that spreads mosaic disease to crops.

.....

30. Give any one way of protecting plants in the environment from getting exhausted.

.....



31. Give one factor which can lead to alcoholism among youths in our community.

.....

32. Mention one cattle disease which spreads through drinking improperly boiled milk.

.....

33. Give the function of blood vessels in the human tooth.

.....

34. Why should rabbits be kept in warm conditions ?

.....

35. State one property of solid state of matter.

.....

36. Give one effect of HIV-AIDS to an individual.

.....

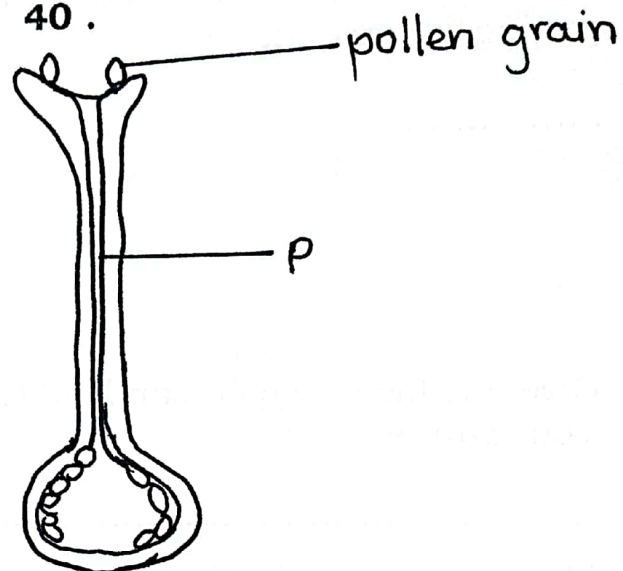
37. In which way is bile juice different from other digestive juices ?

.....

38. Mention any one way of preventing contamination of food at home.

.....

The diagram below shows fertilization in plants. Use it to answer questions 39 and 40.

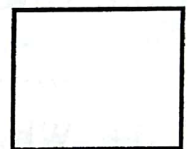


39. Name part marked **P**.

.....

40. State what happens to pollen grains when they land on the stigma.

.....



## SECTION B (60 MARKS)

41(a) Mention two insect vectors with a complete metamorphosis.

(i) .....

(ii) .....

(b) State two dangers of some insects in the environment.

(i) .....

(ii) .....

42(a) State two values of essential drugs to human health.

(i) .....

(ii) .....

(b) Why should essential drugs be kept away from;

(i) direct sunlight ?

.....

(ii) out of reach of children ?

.....

43(a) Mention two ways in which tomato farmers prevent their fruits from rotting in the garden.

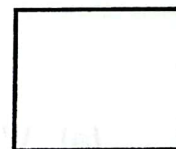
(i) .....

(ii) .....

(b) Give two benefits of raising tomato seedlings from a nursery bed.

(i) .....

(ii) .....



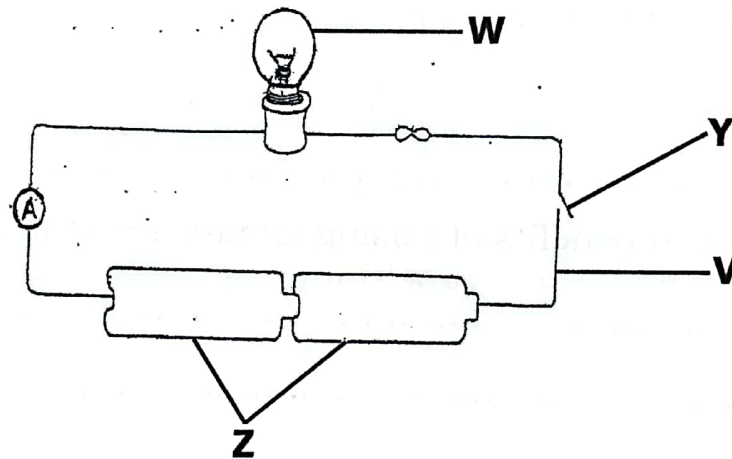
44. **Match the immunisable diseases in A with the effects they cause to the human body in B .**

	<b>A</b>	<b>B</b>
(i)	Tuberculosis	difficulty in breathing
(ii)	Pneumonia	muscle stiffness
(iii)	Diphtheria	blood stained sputum
(iv)	Tetanus	sore throat



- (i) Tuberculosis .....
- (ii) Pneumonia .....
- (iii) Diphtheria .....
- (iv) Tetanus .....

45. The diagram below shows a circuit diagram. Study and use to answer the questions that follow .



- (a) What form of energy is produced by part marked **Z** ?  
.....
- (b) Give the function of part marked **V** in an electric circuit.  
.....
- (c) State what happens to part marked **W** when part **Y** is closed .  
.....
- (d) Give a reason to support your answer in (c) above.  
.....



46(a) Mention two types of natural manure apart from green manure.

(i) .....

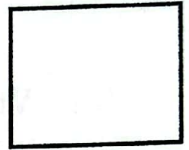
(ii) .....

(b) How is green manure formed ?

.....

(c) Give one advantage of using natural manure.

.....



47(a) State two physical differences between frogs and toads.

(i) .....

(ii) .....

(b) Give the reason why the following amphibians are able to live both on land and in water.

(i) frogs

.....

(ii) toads

.....

48(a) Mention two elements of Primary Health Care which can help to prevent the spread of infections to people.

(i) .....

(ii) .....

(b) Give two roles of individuals in the promotion of Primary Health care in the community.

(i) .....

(ii) .....

49. Primary Six pupils collected the following materials from the environment and used them to prepare local salt. Dry pods of legumes, clean water, source of heat, collecting container and perforated container.

(a) State the importance of each of the following materials to the pupils during preparation of local salt.

(i) source of heat

.....

(ii) water

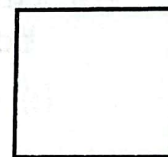
.....

(b) Write one other material which can be used instead of dry pods of legumes in preparation of local salt.

.....

(c) Give one advantage of including salt in people's food.

.....



50. The diagram below shows a joint in the human body. Study and use it to answer the questions that follow.

(b) State the function of part marked **Y** .

.....

(c) Use letter **P** to show the part that reduces friction by preventing bones from rubbing against each other

.....

(d) State any one way in which bones can be maintained in proper working conditions.

.....

51(a) Apart from using chemicals, give one other method of making water safe for drinking.

.....

(b) State two disadvantages of using chemicals in making water safe for drinking.

(i) .....

(ii) .....

(c) Why should water for drinking be kept in clean containers ?

.....

52(a) State the meaning of crop rotation.

.....

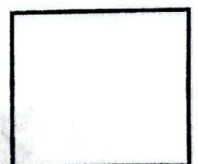
(b) Give one factor which is considered when designing crop rotation cycle.

.....

(c) State two importance of crop rotation in crop growing.

(i) .....

(ii) .....



53(a) Which part of the human ear;

(i) converts sound waves into sound vibrations ?

.....

(ii) converts sound vibrations into nervous impulses ?

.....

(b) Write two practices that are harmful to the human ear.

(i) .....

(ii) .....

54(a) Write two examples of tick-borne diseases in cattle.

(i) .....

(ii) .....

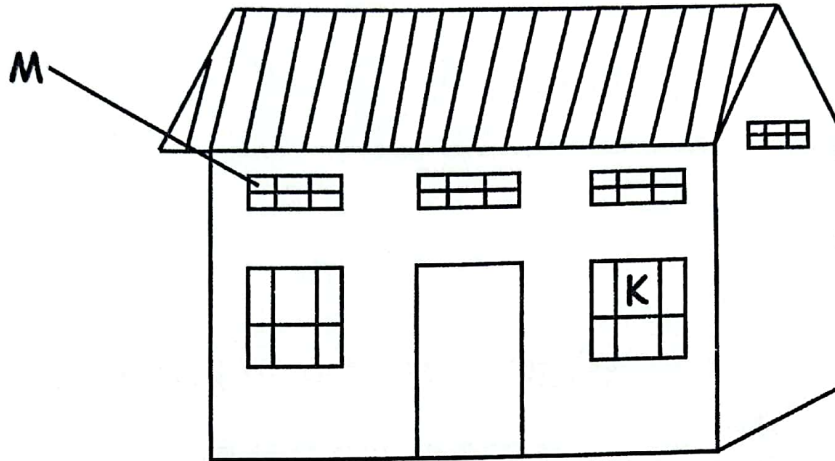
(b) State two ways of controlling tick-borne diseases in cattle.

(i) .....

(ii) .....



55. The diagram below shows ventilation on a house. Study and use it to answer the questions that follow.



- (a) By using arrows, show the movement of fresh air through part marked **K** of the house above.

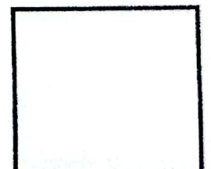
- (b) Why is part marked **K** important on the house above ?

.....

- (c) State two negative effects of staying in a house without parts marked **K** and **M** .

(i) .....

(ii) .....



**END**