

(b) Mention any two PIASCY messages

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

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

(c) Give any one importance of the PIASCY messages.

52.(a) Identify any two tuber crop pests.

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

(b) State any two methods of harvesting tuber crops.

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

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

53. (a) State any two ways bacteria are useful in the environment.

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

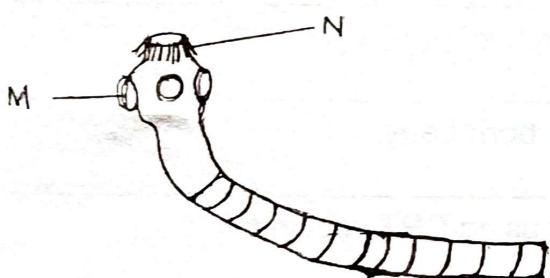
(ii) \_\_\_\_\_

(b) Mention any two ways bacteria are harmful in the environment.

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

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

54. Below is a diagram of one of the intestinal worms. Study it and use it to answer the questions below.



(a) State the function of parts labeled M and N.

(i) M \_\_\_\_\_ (ii) N \_\_\_\_\_

(b) What does the above worm feed on?

(c) Mention any one effect of the above worm to people.

55. Complete the table below correctly.

Disease	Cause	Prevention
Goiter	(a) _____	Feeding food rich in iodine
Anaemia	Lack of iron	(b) _____
(c) _____	Lack of vitamin	(d) _____

END

47. Below is a list of organisms. Study and use them to answer the questions that follow.

Chicken, fungi, locusts, eagles, millets

(a) Arrange them to form a food chain.

(b) Identify the primary consumer in the food chain.

(c) What would happen to the eagles when chickens are removed from the food chain?

(d) What is the role of fungi in the food chain.

48. (a) What are sexual deviations?

(b) State any two causes of homosexuality.

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

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

(c) Mention one way of preventing homosexuality.

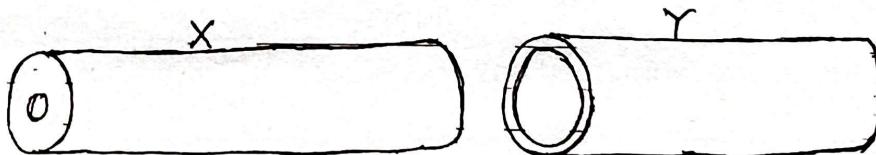
49. (a) In one sentence, explain the term immunity.

(b) Give one importance of immunization to a new born baby.

(c) State any two diseases that can be prevented using DPT vaccine.

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

50. Below are diagrams of blood vessels. Use them to answer the questions below.



(a) Identify blood vessel Y.

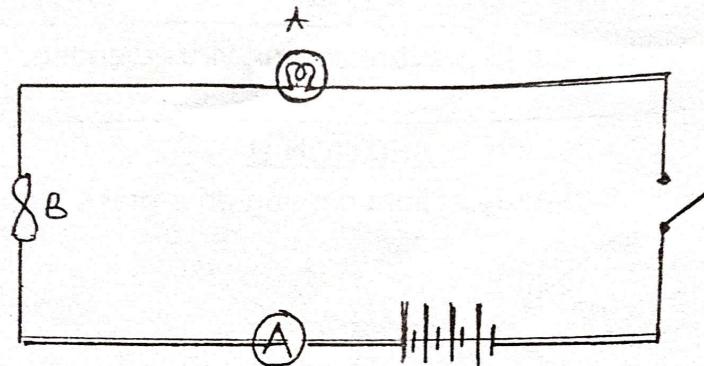
(b) Give any two structural difference between blood vessel X and Y.

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

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

(c) Which structure in blood vessel Y prevents back flow of blood?

51. (a) Write PIASCY in full.



(a) Name the components of the circuit labeled A and B

(i) A \_\_\_\_\_ (ii) B \_\_\_\_\_

(b) Calculate the amount of voltage in the circuit. (2marks)

44. (a) Mention any two secondary sexual characteristic common to boys and girls.

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

(b) Give any two causes of teenage pregnancy in adolescent girls.

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

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

45. (a) Mention any one feature found on a cock.

(b) Identify the system of keeping poultry that exposes birds to wild animals

(c) Why is deep litter system commonly used in rearing poultry in town areas?

(d) Name the special place where chicks are kept for proper management.

46. (a) What is energy?

(b) Which type of energy is possessed by:

(i) a baby sleeping in a cot?

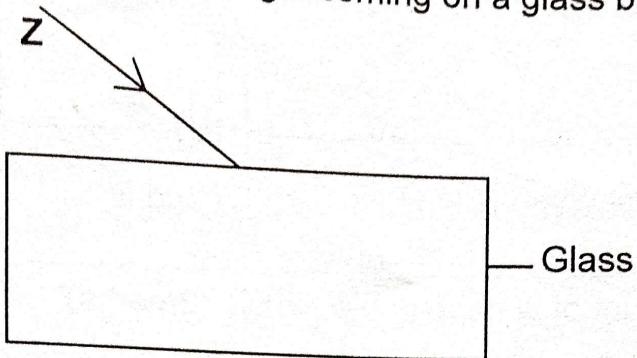
(ii) a ball kicked in air before reaching a maximum height?

(c) Identify any one form of energy produced by the ball when it falls on the ground.

40. Give any one activity done to prevent corona virus disease.

### SECTION B

41. The diagram below is of a ray of light coming on a glass block.



(a) Complete the diagram by drawing the missing rays?

(b) Name the light ray marked Z.

(c) Besides Z, give one other ray which would appear in the above diagram

(d) Indicate by use of letter R the position of the angle of refraction.

42. (a) State any one adaptation of the alveoli to gaseous exchange.

(b) Mention any one reason why the lung is referred to as a respiratory organ.

(c) What happens to the diaphragm muscle when one inhales air?

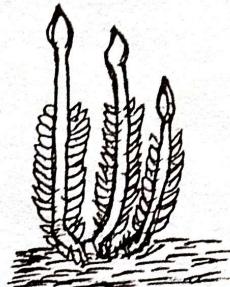
(d) Where does respiration take place in the human body?

43. The diagram below shows an electric circuit. Use it to answer the questions below

28. Awino opens a bottle of soda with her teeth. Which dental disorder is she likely to face?

29. Give one adaptation of seeds dispersed by wind.

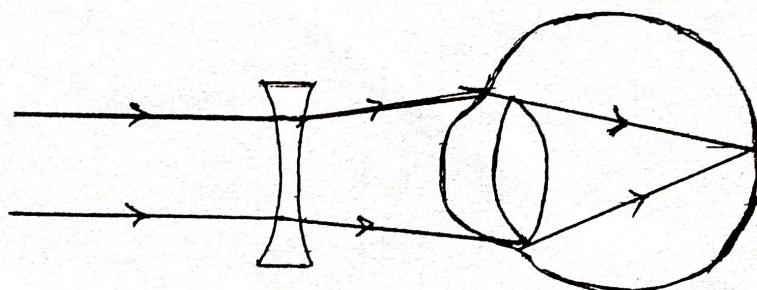
30. How does the plant drawn below reproduce?



31. Change  $80^{\circ}\text{C}$  to degree Fahrenheit

32. Name any one substance transported by blood plasma

Study the diagram below and use it to answer questions 33 and 34.



33. Name the eye defect being corrected above.

34. State the cause of the eye defect corrected above.

35. Mention one way how one can ensure proper functioning of the digestive system.

36. Give one importance of docking in sheep rearing.

37. State the danger of driving while drunk.

38. Which type of change occurs when an object rots?

39. State the element of PHC which prevents malnutrition in children.

16. Give any one advantage of Ecosan latrine to a farmer.

17. Why is a water snail regarded as a vector?

18. Mention any one negative effect of food taboos.

19. State the degree of burns which forms blisters.

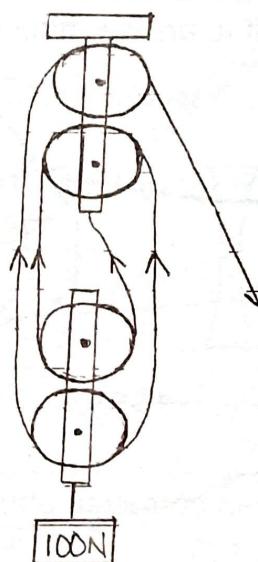
20. Why do garden tools turn brown when left outside.

21. Mention any one crop propagated by the use of a crown.

22. Name the addictive substance found in tobacco.

23. Which resource in the environment provide man with solar electricity?

Below is a diagram of a block and tackle pulley system. Study it carefully and use it to answer questions 24 and 25.



24. What is the mechanical advantage of the above pulley system.

25. Calculate the effort required to lift the load on the pulley.

26. Identify any one factor that causes weathering of rocks in soil formation.

27. Besides showing the strength of wind, how else is a windsock important at a weather station?

SECTION A (40 MARKS)

1. Mention any one item used in the promotion of personal hygiene.

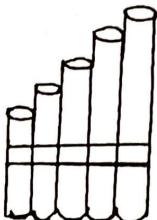
2. State the basic unit for measuring mass of an object.

3. Give any one similarity between a bird and a fish in terms of reproduction.

4. In what type of bones are red blood cells produced?

5. State the importance of warmth in germination of seeds.

6. To which class of musical instrument does the instrument below belong?



7. Which structures in the nose help to trap dust and germs.

8. State one way you conserve petroleum as an energy resource.

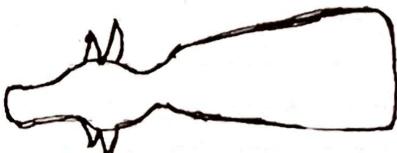
9. Which method of making alcohol involves evaporation and condensation?

10. Name any one exotic breed of goats kept for mohair.

11. Mention any one sign of polio diseases.

12. How does yeast reproduce?

13. Which type of cattle has the shape drawn below?



14. Which part of the lens camera serves the same function as the iris of the human eye?

15. Give any one factor to consider when siting a place for beehives.

# PAKWACH DISTRICT PRIMARY SCHOOLS

## ACADEMIC COMMITTEE

### PRIMARY SEVEN PLE-MOCK ASSESSMENT 2023

#### INTEGRATED SCIENCE

TIME ALLOWED: 2HOURS 15MINS

INDEX NO.								
CANDIDATE'S NAME								
SCHOOL								
SUB-COUNTY								
SIGNATURE								

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

Read the following instructions carefully:

#### INSTRUCTIONS

1. This 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 for both sections A and B must be written in the space provided.
5. All answers must be written using blue or black pen
6. Unnecessary crossings or changes may lead to loss of marks
7. Any handwriting that can not be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for examiners use only.

EXAMINERS USE ONLY		
QNS	EXAMINERS MARKS	EXAMINERS INITIALS
1 - 10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		