



**GULU DISTRICT EXAMINATIONS COMMITTEE**  
**PRIMARY SEVEN PLE-MOCK EXAMINATIONS 2023**  
**PRIMARY SEVEN**  
**INTEGRATED SCIENCE**  
*Time Allowed: 2Hours 15 Minutes*

Index No.

--	--	--	--	--	--	--	--	--

Candidate's Name.....

Candidate's Signature:.....

School Name:.....

District:.....

**Read the following instructions carefully**

1. This paper has two Sections: A and B.
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided
3. All answers must be done using a blue or black-ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the boxes shown "For Examiners' Use Only" and those inside the question paper

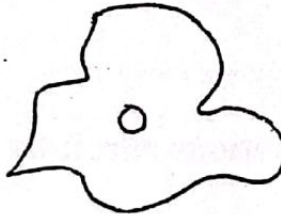
FOR EXAMINER'S USE ONLY		
Qn. No	Marks	EXRS' NO.
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

**Turn Over**

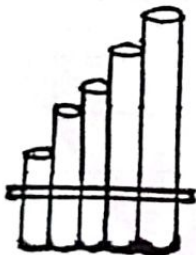
### SECTION A

1. Mention any one item used in the promotion of personal hygiene.  
\_\_\_\_\_
2. State any one method used for measuring volume of irregular object.  
\_\_\_\_\_
3. How does debeaking help to control egg eating?  
\_\_\_\_\_
4. Give one cultural value of cattle keeping.  
\_\_\_\_\_
5. State one functional difference between switch and fuse.  
\_\_\_\_\_
6. How does lack of vitamin D in a child's diet affect the skeletal system?  
\_\_\_\_\_
7. Why is zero grazing preferred by people in urban areas?  
\_\_\_\_\_

Use the diagram below to answer question 8.



8. Name the component of blood drawn above.  
\_\_\_\_\_
9. What name is given to thermometric liquid used in clinical thermometer?  
\_\_\_\_\_
10. How does a fish protect its self?  
\_\_\_\_\_
11. In which way is a scarecrow useful to a rice farmer?  
\_\_\_\_\_
12. To which group of musical instrument does the instrument below belong?  
\_\_\_\_\_



13. State one importance of regular body check up to a person.  
\_\_\_\_\_

14. How does cactus tree reduce the rate of transpiration?

15. Name one seed dispersed by explosive mechanism.

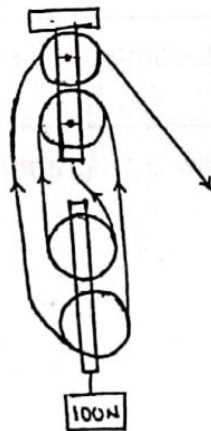
16. What type of objects form clear shadows?

17. How does effective decision making safe guard school children from alcoholism?

18. State the law of moment.(lever)

19. Give one danger of storing crops before proper drying.

Below is a diagram to block and tackle pulleys. Study it carefully and use it to answer questions 20 and 21.



20. What is the mechanical advantage of the above pulley?

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

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

23. In which state of matter does heat travel slowest?

24. Why does clay soil retain water for long?

25. Give one way of reducing infant mortality rate.

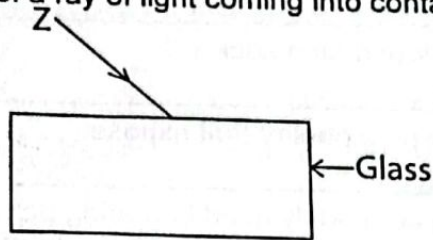
26. How are plants useful to carnivorous animals as energy resource?



27. Apart from the eye, give one other body organ that uses light energy.
- 
28. What is the use of capital in starting livestock farming?
- 
29. Name the type of friction experienced by a flying bird.
- 
30. Why are termites regarded as special insects?
- 
31. State one importance of drug prescription.
- 
32. Mention one common primary sex characteristics to both boys and girls.
- 
33. Why do houseflies lay eggs in decomposing matter?
- 
34. In the space provided below, draw a diagram to show that magnets are stronger at the poles.
- 
35. State the importance of convection to people.
- 
36. Change  $980^{\circ}\text{C}$  to degree Fahrenheit.
- 
37. Mention one way how one can ensure proper functioning of the digestive system.
- 
38. What type of change occurs when objects rots?
- 
39. State the element of PHC which prevent malnutrition in children.
- 
40. Give any one activity done to prevent corona virus disease.
-

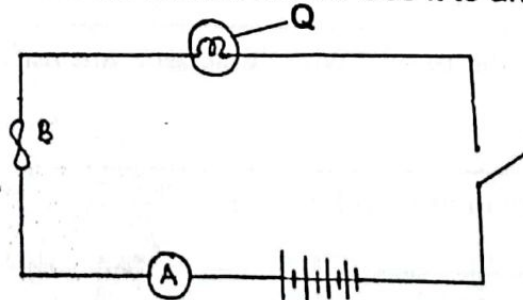
**SECTION B (60marks)**

41. The diagram below is of a ray of light coming into contact with 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 alveoli to gaseous exchange
- (b) Mention one reason why the lung referred to as the 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.



- (a) Name the components of the circuit labeled Q and B
- (i) Q \_\_\_\_\_ (ii) B \_\_\_\_\_
- (b) Calculate the voltage used in the circuit above.
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 one feature found on a cock.

(b) Identify the system of keeping poultry that expose

(c) Why is deep litre 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?

(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.

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

**Chicken, Fungi, Locusts, Eagles, Millet**

(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 deviation?

(b) State any two causes of homosexuality?

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

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

(c) Mention one way of preventing homosexuality.



49. (a) Explain the term immunity.

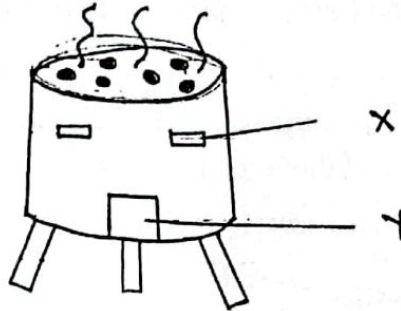
(b) Give one importance of immunization to a new born baby.

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

(i)

(ii)

50. Study the diagram below and use it to answer the questions that follow.



(a) Name the home equipment shown above.

(b) How is part Y important to the equipment?

(c) How does water get boiled in container when put on the above equipment?

(d) Write one way of caring for the above equipment.

51. (a) Write PIASCY in full

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

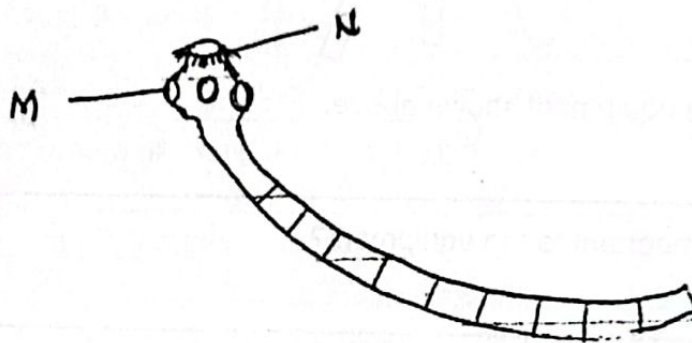
(ii) \_\_\_\_\_

(b) In which ways are bacteria 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 that follow.



(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 on food rich in iodine
Anaemia	Lack of Iron	(b) _____
(c) _____	Lack of vitamin C	(d) _____

END