

LWENGO DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION – 2023

INTERGRATED SCIENCE

Time: 2 hours 15 minutes

School: _____

EMIS No.					Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has two sections A and B.
2. Section A, has 40 short questions (40mks)
3. Section B has 15 questions (60marks)
4. Answer all questions.
5. All answers to all questions must be written in the space provided.
6. All answers must be written using **blue** or **black** ball pen or **ink**.
7. Unnecessary crossing of work will lead to loss of marks.
8. Any handwriting that cannot easily be read may lead to loss of marks.
9. Do not fill anything in the boxes indicated **"FOR EXAMINER'S USE ONLY"**

For Examiner's Use Only:

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

SECTION: A

1. Name the human sense organ for sight.

2. In which way does heat transfer occur in gas?

3. State the type of injury one gets when he steps on a hot charcoal.

4. How does a drum produce sound?

5. Give one cause of egg eating in poultry.

6. Why is air grouped under renewable resources?

7. Name the part of the ear that changes sound vibrations into nerve signals.

8. Which intestinal worms are likely to cause anaemia in man?

9. In which way can pests be a block in the food path?

10. How is chlorophyll important during photosynthesis?

11. Give a reason why clay soil is not good for crop growing.



The diagram below is of a respiratory system, use it to answer the questions that follow.



12. Name the type of breathing shown above.
-
13. Which element of primary health care is responsible for population control?
-
14. How can a family help in the control of cholera out-break in the community?
-
15. Name the disease that is caused by onchocerca vulvalus.
-
16. How does oiling of moving parts of machines reduce friction?
-
17. Why does a fish die when it is removed from water?
-
18. How is blood carried by the pulmonary artery different from that carried by the pulmonary vein?
-

28. How do worker bees regulate the temperature in the hive?

29. State the difference in function between the ureter and urethra.

30. Why are suture joints important in our skeleton?

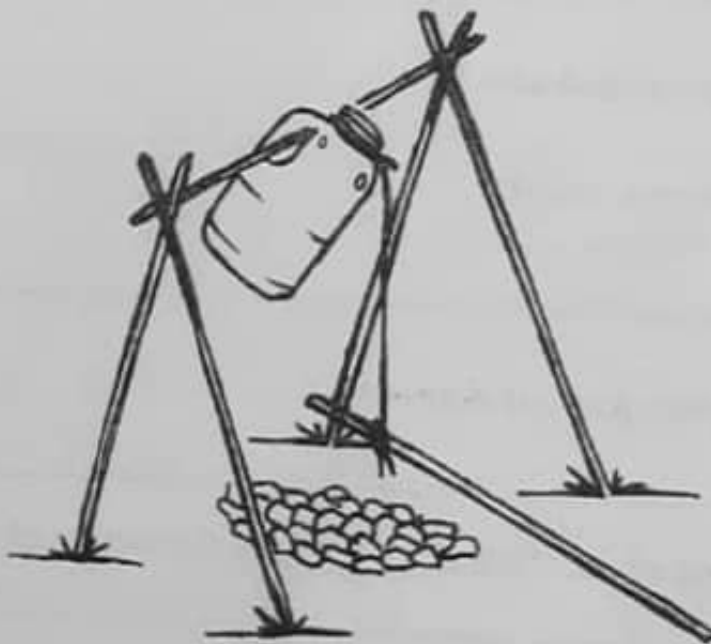
31. Why are roots of a bean plant grouped under primary roots?



32. Give one reason for prescribing medical drugs before using them.

33. In which way is the formation of coal different from that of petroleum?

The diagram below shows a common equipment. Study and use it to answer questions 34 and 35.



34. Name the equipment shown in the diagram above.

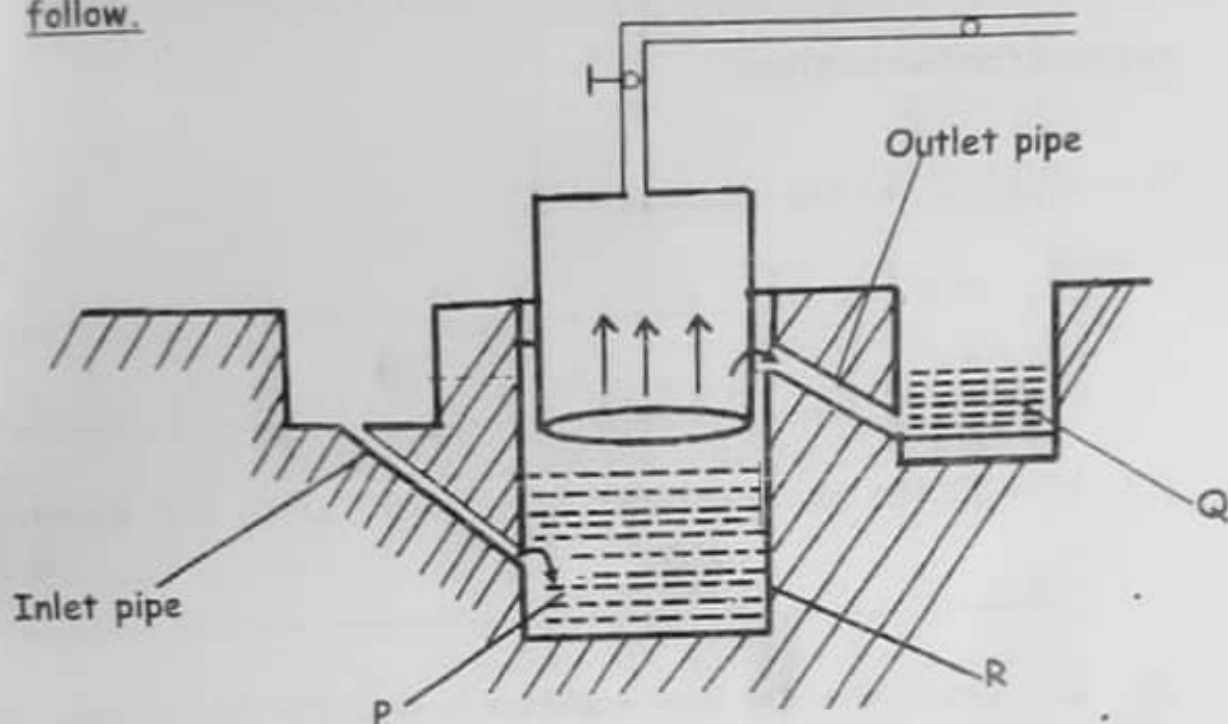
35. Why is the equipment above recommended to use instead of hand operated taps?
36. What important process takes place in the cortex of the kidney?
37. State one disadvantage of having an apiary in a noisy area.
38. Name the method of making water safe which does not involve heating.
39. Name one biological method of reducing mosquitoes in a home.
40. How does breast feeding improve the immunity of a baby?

SECTION: B (60Marks)

Questions 41 - 55, four marks each

41. (a) Name the type of soil with:
- (i) a high humus content
 - (ii) a high rock particle content
- (b) Which method of soil formation involves the action of bacteria?
- (c) Give one way of conserving soil without the use of chemical.

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



- (a) Name the fuel produced in the equipment above.
- _____
- (b) Give one example of a material that should be put at P.
- _____
- (c) Why is equipment marked with letter R kept air tight?
- _____
- (d) How is a substance Q useful to crop farmer?
- _____
43. (a) To which group of invertebrates do the following belong?
- (i) snails _____
- (ii) wasps _____
- (b) Apart from protection, give two other factors considered when classifying animals.

44. A pupil of P.7 mixed water with cooking oil uniformly and left the mixture to stand for five minutes.

(a) Which of the two liquids settled?

(i) at the bottom _____

(ii) on top _____

(b) Why did the liquid mentioned in (a) (i) above settle at the bottom?

(c) Give one method the pupil would use to separate the mixture.

45. (a) Name two groups of people at high risk of contracting HIV.

(i) _____

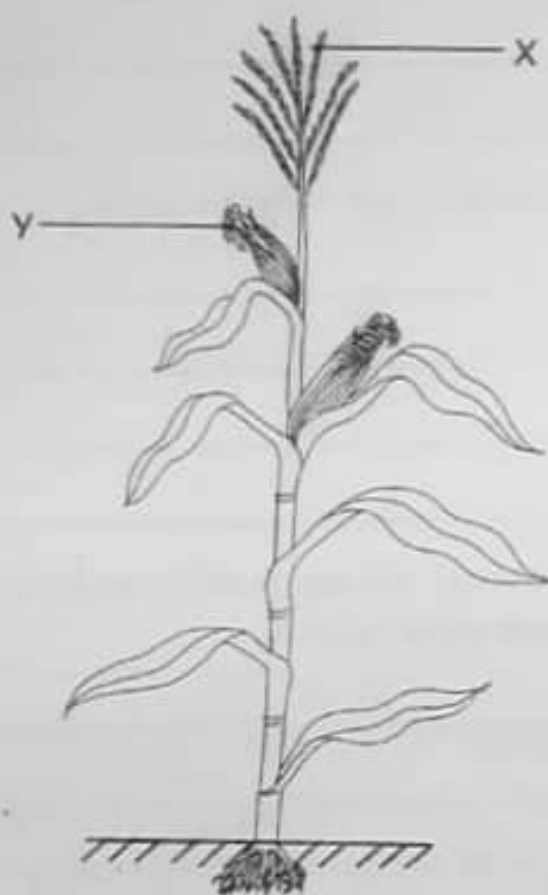
(ii) _____

(b) Give two life skills that can prevent a primary seven candidate from contracting HIV/AIDS.

(i) _____

(ii) _____

46. The diagram below is of a maize plant. Study it and answer questions that follow.



- (a) On the diagram above, indicate the prop roots.
- (b) State the part in mammals that has similar function with part marked X.
- _____
- (c) How is part X and Y different in functions?
- _____
- (d) State the adaptation of a maize plant to cross pollination.
- _____
47. (a) What effect does heat have on temperature? ☐
- (b) In which state of matter does heat travel fastest?
- _____

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

(d) How is heat different from temperature?

48. To which group of mammals do the following belong?

(i) Dolphin _____

(ii) Wallabies _____

(iii) Elephant shrew _____

(iv) Rat _____

49. (a) Name any two activities the community can do to promote formation of convectional rainfall.

(i) _____

(ii) _____

(b) What is the effect of water on the weight of an object?

(c) What source of energy is required during the formation of this rain?

50. (a) Name any two structures adult frogs use for breathing.

(i) _____

(ii) _____

(b) Where do adult frogs lay their eggs?

(c) How are the eggs of frogs fertilized?

51. (a) State any two ways drought can lead to swarming of bees.
(i) _____
(ii) _____
- (b) Give two ways an apiary farmer should do to control the swarming of bees.
(i) _____
(ii) _____
52. (a) Give any two reasons why people should bathe regularly.
(i) _____
(ii) _____
- (b) Why is soap used whenever we are bathing?

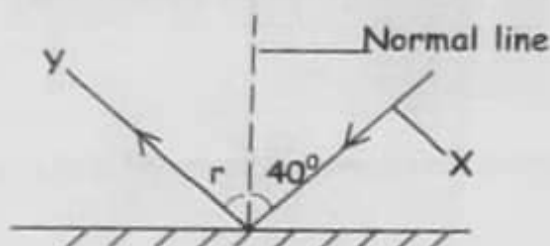
- (c) What element of primary health care is fulfilled when we bathe regularly?

53. (a) Name any two types of cattle kept by farmers in Uganda. ☐
(i) _____
(ii) _____
- (b) How can farmers improve on their local breeds of cattle?

- (c) Name the bacterial disease of cattle characterized by blood stains and pus milk.

54. (a) How is reflection and refraction of light different?

Use the diagram below to answer the questions that follow.



- (b) Identify the ray of light marked with letter X.

- (c) What name is given to angle marked with letter r?

- (d) Calculate the value of angle r in the diagram.

55. The diagram below shows a simple machine shown by letter B in the diagram.



- (a) Name the simple machine shown by letter B.

- (b) To which group of simple machine do the above machine belong?

- (c) Name any other example of a simple machine in the same group as B above.

- (d) Identify one way machines simplify man's work.

