

LWENGO DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATIONS – 2022

INTEGRATED 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		

Turn over

1. What is the percentage of the gas used to put off fire?

2. State the use of oxygen in the process of respiration

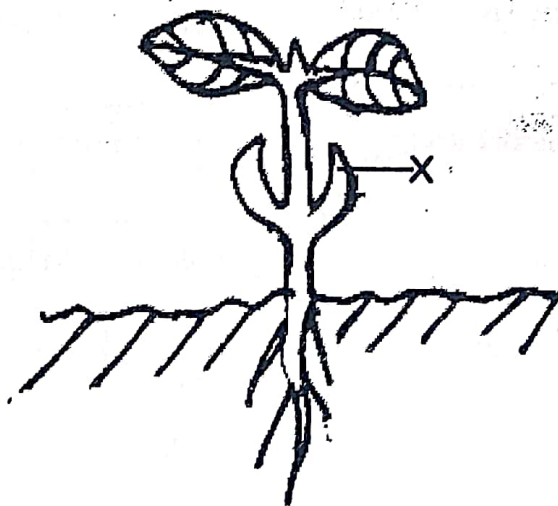
3. How are some stems adapted to making food for the plant?

4. State the primary sex characteristic common to both boys and girls

5. How is the reproduction of reptiles different from that of amphibians?

6. Why would you prefer using broad Casting method to low planting?

The diagram below is of a plant stem. Use it to answer the questions 7 and 8



7. Name the part marked X.

8. Why does part marked X fall off after the seedling has developed leaves?

9. State the difference in function between a cotyledon in monocotyledonous and a cotyledon in dicotyledonous plants.

10. What do flowering plants benefit from bees?

11. In which way does sun drying preserve food?

12. Name the causative agent of foot and mouth disease.

13. Of what importance is the epiglottis during swallowing food?

14. How is the nose adapted to it's function?

15. In which way is convection current Important to a mother cooking food in a kitchen full of smoke?

16. How does debeaking prevent egg eating?

17. State any one importance of early planting

The diagram below shows a garden tool study it and answer the questions 18 and 19.

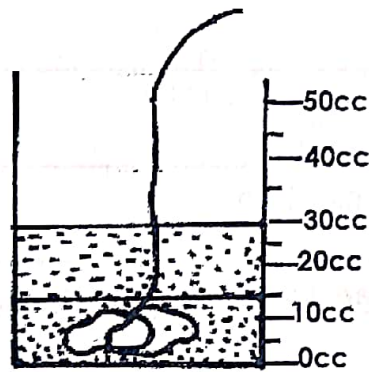


18. Name the garden tool above.

19. How is the garden tool above important to a farmer?

20. Mention any one way in which fungal diseases can be controlled in a crop farm.
-
21. State any one characteristic common to only mammals.
-
22. Mention any one effect of heat on matter.
-
23. State any one way in which friction is a nuisance force.
-
24. Give the importance of draining stagnant water near our homes.
-

Study the diagram below and answer the questions 25 and 26.



25. Calculate the volume of the irregular object above.

26. If the mass of the irregular object is 60g. Calculate its density.

Below is a food chain. Study it and answer question 27.

Grass \longrightarrow Grasshopper \longrightarrow Birds.

27. What do the arrows in the food chain above represent?

28. What first aid can you give to a person who has taken paraffin?

29. State the importance of long, thin slender, beak to a sun bird.

30. Why do objects weigh less in water?

31. Apart from getting food, how else is a school garden important?

32. Give one advantage of natural fertilizers over artificial fertilizers.

33. State any one effect of drug abuse.

34. Give any one way in which echoes are reduced in cinema halls.

35. Why is it not advisable to keep food in a place where there is moisture and warmth?

36. How does regular weeding improve crop yields?

37. Why is water obtained by distillation method not good for drinking?

38. Which group of birds has the arrangement of the feet below?



39. Give any one reason why poultry farmers put litter in the poultry house.

40. State any one way a P.7 Candidate can reduce friction in moving parts of a bicycle.

SECTION B

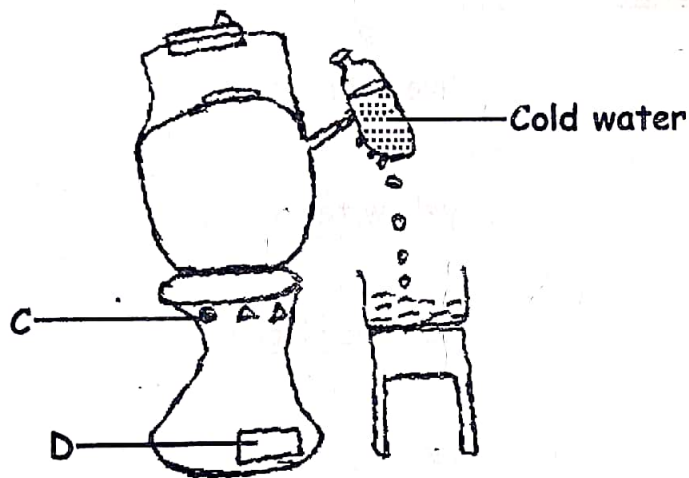
41. a) Give any two importance of a nursery bed.
(i) _____
(ii) _____
- b) Mention any two steps followed when preparing a nursery bed.
(i) _____
(ii) _____
42. a) How is the feeding of a mosquito different from that of a Grasshopper?

- b) What name is given to the second stage of a grasshopper?

- c) Why doesn't a male anopheles mosquito spread Plasmodium germ?

- d) Name the mosquito that spreads filaria worm.

43. The diagram below is of a water cycle study it and use it to answer the questions that follow



- a) State the use of cold water in the bottle.

- b) How are holes marked C and D of use on the charcoal stove?
(i) C _____
(ii) D _____
- c) State the advantage of using clay made charcoal stoves over metallic ones.

44 a) Give two ways in which living things depend on non living things.

(i) _____

(ii) _____

b) Give any two examples of non - living re- newable resources.

(i) _____

(ii) _____

45. In the table below, part A show vectors and part B show the diseases they spread.

A	B
Cock roaches	liver blindness
Rat fleas	yellow fever
Aedes mosquito	bubonic plague
Simulium flies	leprosy

Match A and B correctly

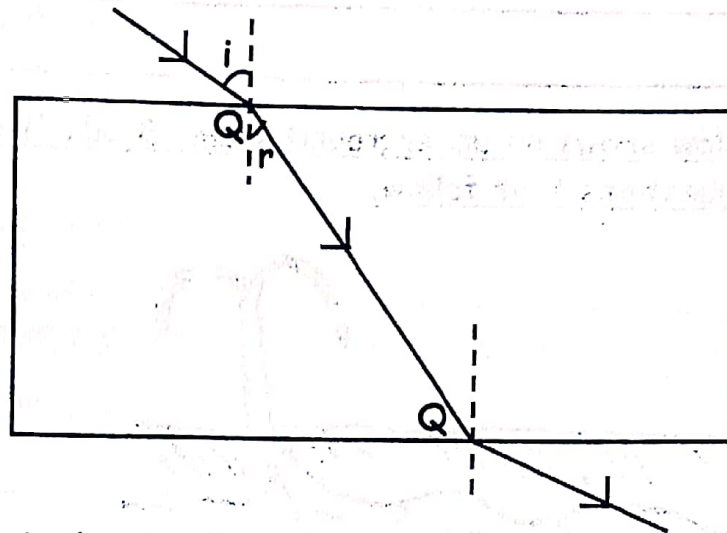
(i) Cock roaches _____

(ii) Rat fleas _____

(iii) Aedes mosquito _____

(iv) Simulium flies _____

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



- (i) Why is the Incident ray appearing bent at point Q?

- (ii) How is refraction different from reflection?

- (iii) Give any two effects of refraction
(i) _____
(ii) _____
47. a) State any two effects of poor personal hygiene.
(i) _____
(ii) _____
- b) Give two activities done under personal hygiene.
(i) _____
(ii) _____
- 48 a) In which way is a paw paw adapted to cross pollination?

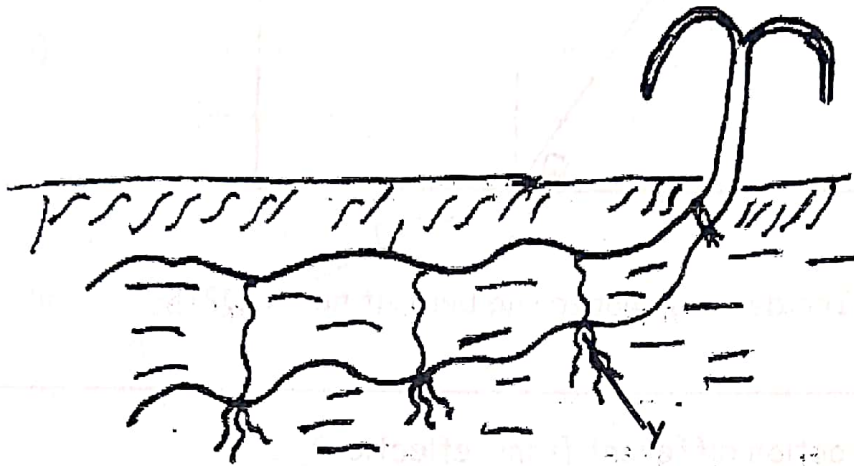
- b) State the role of petals in the process of pollination

c) Apart from pollen grains, give any other two reproductive cells.

(i) _____

(ii) _____

49. The diagram below shows an underground stem. Study it and use it to answer the questions that follow.



a) Name the type of underground stem shown above.

b) Mention any two crops with such a stem.

(i) _____

(ii) _____

c) State the use of part marked Y on the plant above.

50. a) Why is water obtained by boiling good for drinking?

b) Give two methods of making water safe for washing clothes

(i) _____

(ii) _____

- c) State the reason as to why water obtained by decantation not safe for drinking.
-

51. a) In which one way is a rubbish pit an important element in a clean home?
-
- b) What is the recommendable distance from a main house to a rubbish pit?
-
- c) State the importance of burning rubbish.
-
- d) How is the larva stage of a housefly important in a pit latrine?
-

52. a) State any two causes of malnutrition.
- (i) _____
- (ii) _____
- b) Give two reasons as to why people eat food
- (i) _____
- (ii) _____

- 53 a) What happens to the following parts during breathing in?
- (i) The rib cage _____
- (ii) Intercostal muscles _____
- b) Give a reason as to why the rate of breathing increases if one is doing vigorous exercise
-

c) Name the poisonous gas found in tobacco

54 a) In which two ways is swine fever spread among pigs?

(i) _____

(ii) _____

b) State any two ways of controlling the spread of swine fever if there is an outbreak.

(i) _____

(ii) _____

c) Name the disease of pigs characterized by difficulty in breathing and cough.

55. a) Give a reason as to why a thermometer must be disinfected using alcohol not boiling.

b) State two body parts where a thermometer is put when measuring temperature.

(i) _____

(ii) _____

c) Why should a clinical thermometer not be put on the fore head when measuring temperature?

END