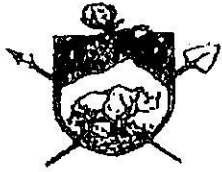


LIRA CITY EXAMINATIONS BOARD

MOCK EXAMINATIONS 2023

INTEGRATED SCIENCE



TIME ALLOWED 2 HOURS 30 MINUTES



SCHOOL EMIS

PERSONAL NUMBER

INDEX No.

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CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:

SCHOOL NAME:

DIVISION:

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 hand writing that cannot be easily read may lead to loss of marks.
6. Do not fill any thing in the boxes indicated: "For Examiners"
Use only and those inside the question paper.

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

SECTION A

1. What is the value of a flower to a plant?

2. Which condition requires a farmer to carry out thinning?

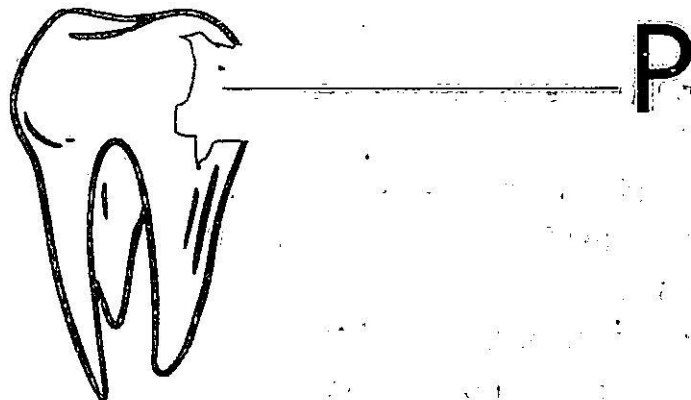
3. How is friction increased on a road surface?

4. In which part of an onion plant is manufactured food stored?

5. Why is calcium important in the diet of a growing child?

6. Name the body organ that balances the amount of water needed by the body.

The diagram below is of a molar tooth. Use it to answer question No. 7.



7. Name the hole labelled P as caused by bacterial action.

8. Why is cholera described as communicable disease?

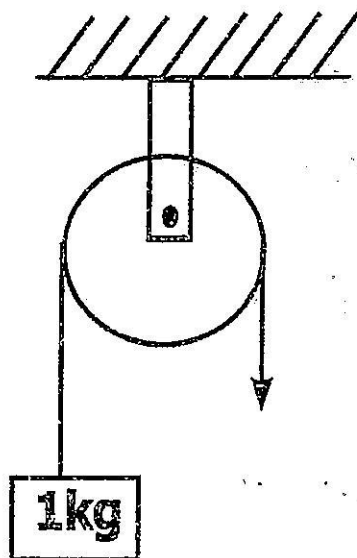
9. Apart from taking ORS, how else can one prevent dehydration?

10. What is the use of a strip cup to a cattle keeper?

11. How are rats connected to the spread of bubonic plague?

12. State the kind of accident that requires the use of a splint in giving first aid.
13. Name any **one** disease of rabbit that affects chicken as well.
14. Why do commercial farmers prefer to use artificial incubation to natural incubation?
15. How does a maize farmer benefit from a nearby bee hive?
16. Give the difference between weight and mass.
17. Why are vaccines used in the prevention of certain diseases?
18. Which type of soil is best for making ceramics?
19. How is saliva useful in the process of digestion?

Use the diagram below to answer question number 20.



20. Why does the above pulley system give a mechanical advantage of 1(one)?

21. Give any **one** state of matter.

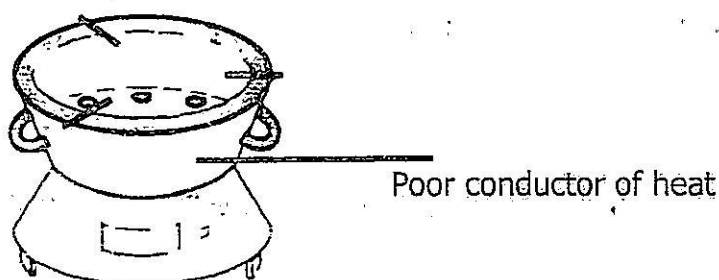
22. Name the blood vessel which handles both oxygenated and deoxygenated blood.

23. How does the diaphragm behaves when we breath out?

24. State **one** physical change that takes place during distillation.

25. Name any **one** mineral used to make artificial fertilizer

Use the diagram below to answer questions.



26. How does the charcoal stove above save heat energy?

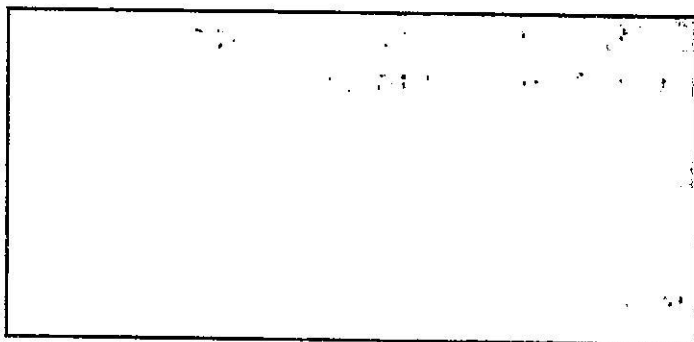
27. Why should the weeding of sweet potatoes be done with hands and not hoes?

28. How are the gills of a mushroom different from that of a fish in the way they function?

29. Mention any **one** negative effect of man-made changes in the environment.

30. Write PHC in full.

31. In the space below, draw a foot of a swimming bird.



32. Explain what is meant by "volume of sound".

33. Why do people who smoke tobacco find it difficult to stop the habit?

34. Why do farmers cut off leaves of banana suckers before planting them?

35. State any **one** PIASCY message found in your school compound.

36. In which organ does implantation of a zygote take place in human?

37. What is a skeleton?

38. What type of electricity is got by burning fossil fuel?

39. How does the use of a biogas conserve the environment?

40. What happens to a ray of light when it meets a convex lens on its way?

SECTION B

41. Below is a list of activities carried out by people in our environment. Use it to answer questions that follow.

- Digging in the rain
- Brick making
- Crop rotation
- Swamp drainage for farming
- Dumping polythene bag on the soil.

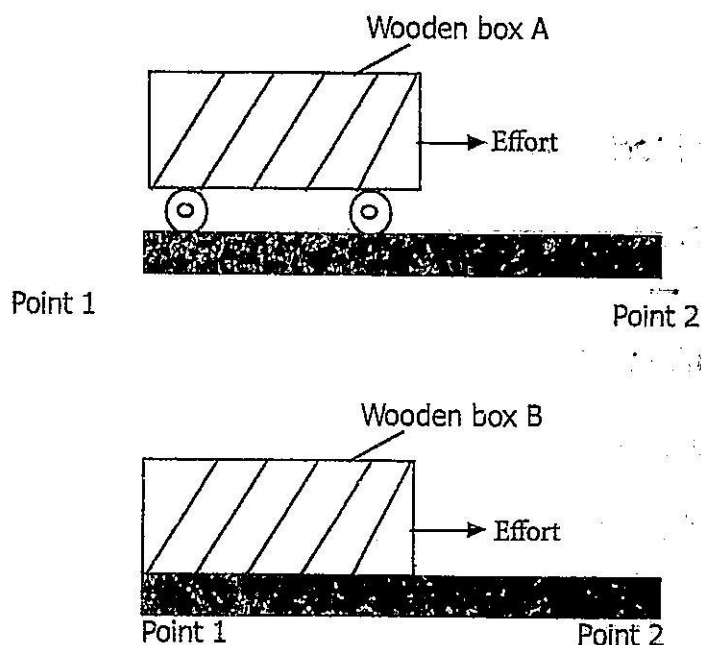
- a) Which activity is good for controlling crop diseases?

- b) Name the activity that is likely to affect soil fertility?

- c) Write down the activity that may affect rainfall formation?

- d) Which activity is likely to cause air pollution?

Study the two illustrations below carefully and answer questions that follow.



42a) Which of the above two wooden boxes can be pulled from point 1 to point 2 with ease?

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

c) Why are treads put on tyres of bicycles and motorcycles?

d) State **one** way how is friction useful to a P.7 candidate doing Science PLE Mock Examination.

43a) What is the importance of carrying out the following practices in cattle keeping

-Castration

-Dehorning

b) Give **two** ways of controlling tick borne diseases in cattle.

i) _____

ii) _____

44 Give the meaning of each of the following terms as used in bee keeping.

a) Apiculture _____

b) An apiary _____

c) Why are bees called social insects? _____

d) Give any **one** product got from bee-keeping. _____

45a) How is a resource different from an energy resource?

b) Why are plants called renewable resources? _____

c) State **one** way in which each of the following can be used as an energy resource

i) Water _____

ii) Animals _____

46a) Give **one** use of roots to plants.

b) State **one** way in which a monocotyledonous plant different from a dicotyledonous plant.

c) Why is a sugarcane plant not regarded as a stem tuber and yet it stores its foods in the stem?

d) Mention **one** example of a tuber.

47a) State what is meant by "**off layers**" as used in poultry management.

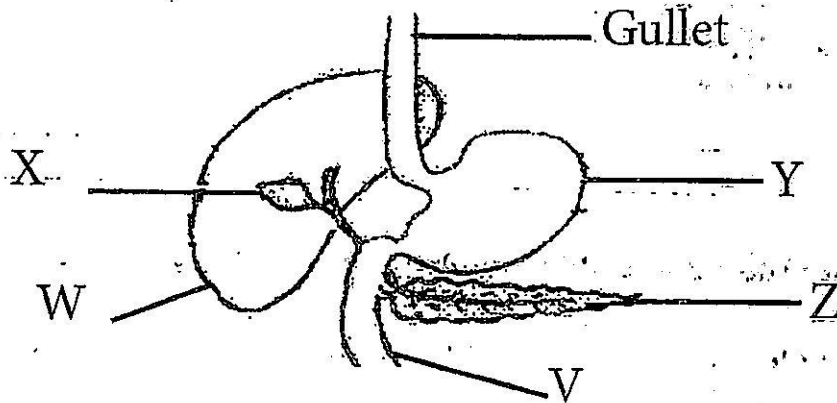
b) Why do farmers keep each of the below groups of birds?

i) Light birds _____

ii) Table birds _____

c) Mention one type of poultry.

The diagram below shows a body system. Study and answer questions about it.



48 a) Name the body system drawn above.

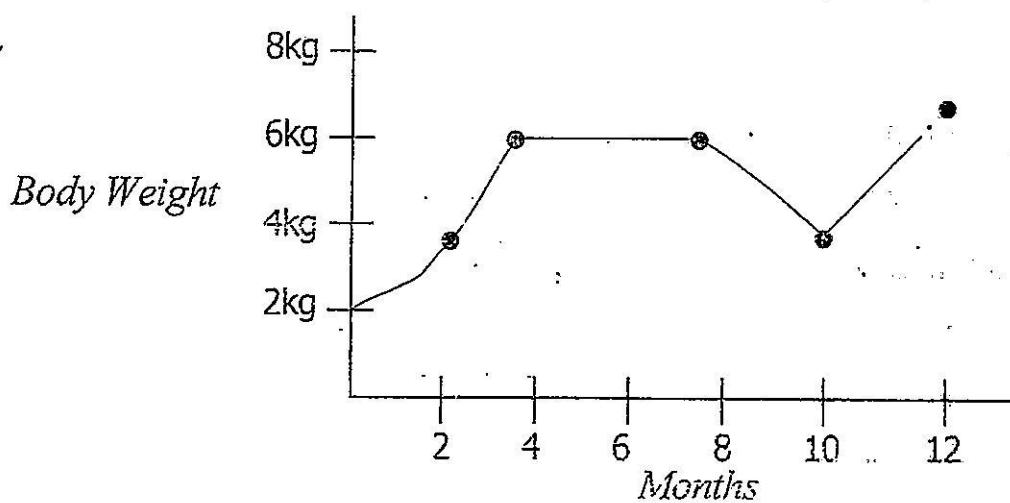
b) State the function of part marked with letter W as

i) Digestive organ: _____

ii) Excretory organ: _____

c) Mention the class of food which is digested in part marked with letter V.

The graph below as made to monitor a childs growth. Study it and answer the questions that follow



- 49 a) Describe the growth of the child in the first four months of his life. Use **one** of these words: Good, Fair, poor.
- b) What kind of growth does the graph show between fourth and eighth months?
- c) Name the **two** possible causes of the nature of the child's growth between fourth and tenth month.
- i)
- ii)

50a) Mention **one** water borne immunisable disease among infants.

- b) How does immunisation help to protect children against childhood immunisable disease?
- c) Why do some disease attack people once in their life time?
- d) Give **one** example of immunisable disease spread by mosquito?

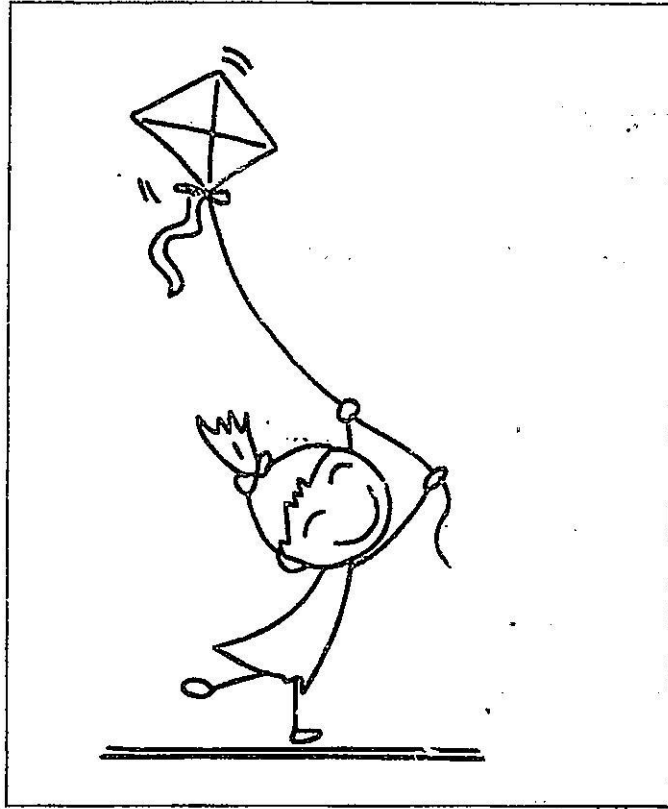
51. The table below shows dentation of an adult person. Study it carefully and complete it correctly.

	Incisor	Canine	Premolar	Molar
Upper jaw	4		4	6
Lower jaw		2		

52a) Give **two** examples of natural fertilizers.

- i)
- ii)
- b) State **two** methods of applying fertilizers in the garden.
- i)
- ii)

The diagram below shows a paper kite flying. Use it to answer the questions below.



53a) What is the importance of using a light papyrus frame to make a kite?

b) State what would happen to the kite if the paper had many holes?

c) (i) What would happen to the kite if the string fibre had a stone tied to it?

(ii) Give a reason for your answer in (c) i above

54a) Give **one** natural process in plants in which;

i) Oxygen is used

ii) Carbon dioxide is used

b) What useful by-product is produced in (a) ii above?

c) Give any other natural process that uses oxygen.

55a) Musa put salt in a glassful of water, stirred it and the salt disappeared.

i) Why did the salt disappear in the water?

ii) What do the salt and water act as

a) Salt acts as _____

b) Water acts as _____

iii) What name is given to mixture of salt and water?

END