

BULIISA DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION, 2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random Number	Personal Number

Candidate's Name:.....

Candidate's Signature.....

School Name:.....

District ID:.....

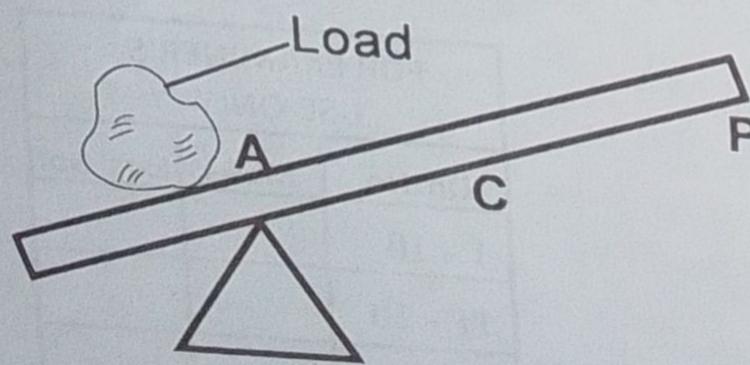
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
Read the following instructions carefully:

1. This paper is made up of **two Sections: A and B**.
2. Section **A**, has **40 short-answer questions (40 marks)**.
3. Section **B** has **15 questions (60 marks)**.
4. Answer **ALL** questions. All answers to both Sections **A** and **B** **MUST** be written in the spaces provided.
5. All answers **MUST** be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the box indicated "**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		

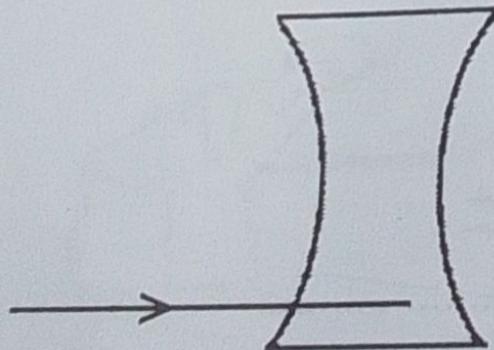
SECTION A: (40 Marks)

1. Name the form of energy that enables plants to make their own food.
2. What name is given to the young one of a rabbit?
3. Mention any **one** item used to promote personal hygiene.
4. How does the practice of crop rotation control crop pests in the garden?
5. How is a frog adapted to living in water?
6. Why are drugs kept out of reach of children?
7. Which type of change maintains the properties of the original substance?
8. State the disadvantage of people living with potted plants in the same house at night.
9. The diagram below shows a lever system used to raise a load. On which part of the lever marked C and P would one use more effort to lift the load?



10. Why is water not good for putting out fire caused by petrol?
11. Name the mineral salt that helps in the formation of blood.
12. Mention the immunisable disease that causes stiffness of muscles.
13. Identify **one** device that changes electric energy into sound energy.

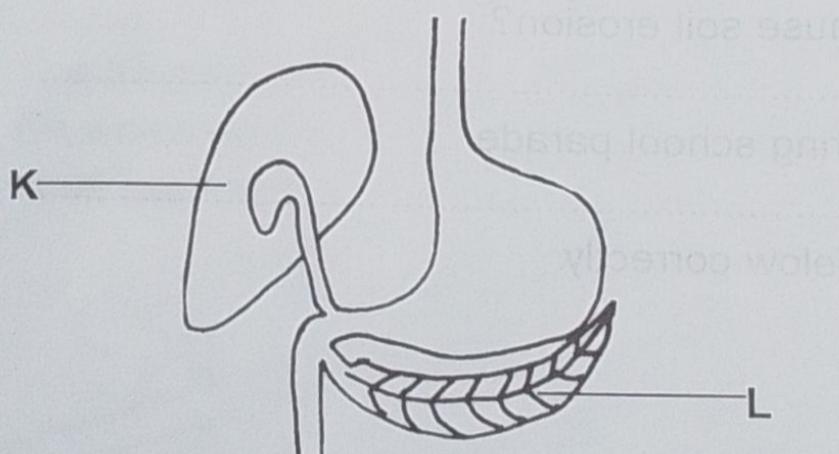
14. Name the plant process that helps in cooling the plants.
15. Why are most cooking stoves made out of clay?
16. State **one** reason why farmers are encouraged to preserve cassava at home.
17. Apart from an ostrich, name **one** other example of flightless birds.
18. Mention the component of soil used to aerate the soil.
19. What is vasodilation?
20. Give a reason why measles vaccine is not administered at birth.
21. Apart from controlling erosion and growth of weeds, give **one** other reason why mulching is important.
22. How does bush burning cause soil erosion?
23. State **one** activity done during school parade.
24. Complete the ray of light below correctly.



25. How does an object less dense than water behave in water?
26. Name any **one** root tuber crop which is first planted in the nursery bed.
27. How is a gizzard adapted to its functions?

28. Which immunisable disease affects the liver?
29. Why does the heart beat faster when doing a heavy body exercise?
30. How does tar affect human health?
31. State the disorder of the digestive system caused by lack of roughages in the diet.
32. Name the component of blood affected by the sickle cell disease.
33. How does smoke move from fire through the chimney of a kitchen?
34. Give **one** activity the community can do to reduce road accidents.
35. State **one** way in which rain may be a disadvantage to a crop.

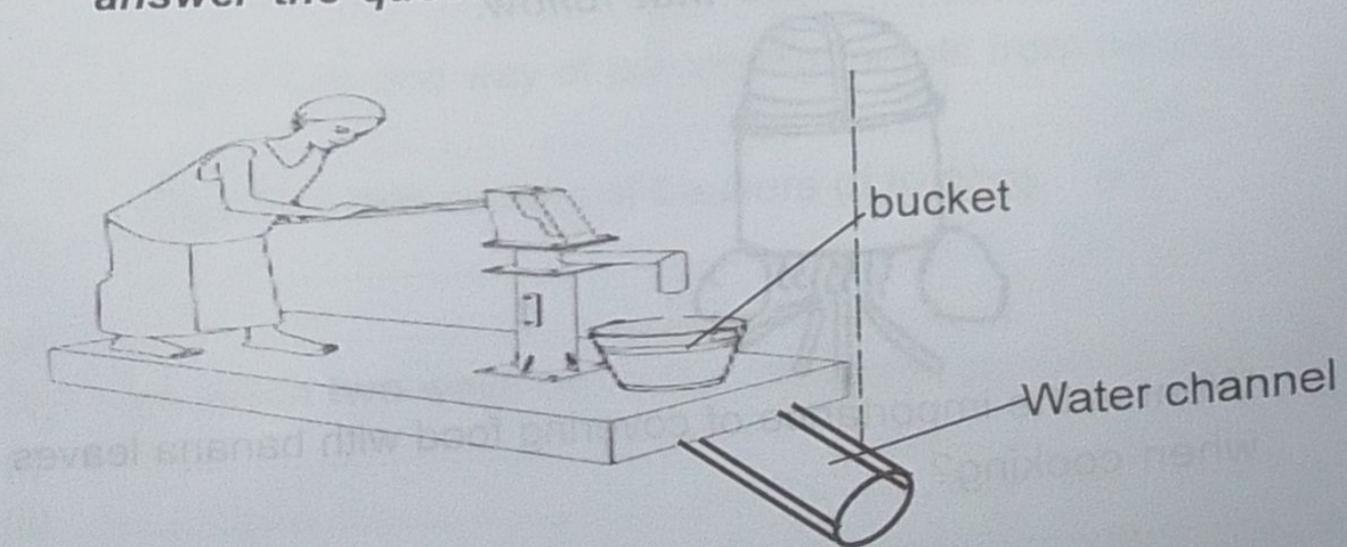
Study the diagram below and use it to answer question 36 and 37.



36. Name the part labelled K.
37. Mention any **one** enzyme produced by part labelled L.
38. How does a sweater help to keep a person warm during cold days?
39. What happens to ribs during inhalation?
40. Give any **one** method of storing sound.

SECTION B: (60 Marks)

41. Write down any two primary changes that occur in:
- (a) Boys
(i)
(ii)
- (b) Girls
(i)
(ii)
42. (a) State any two factors that reduce the rate of transpiration.
(i)
(ii)
- (b) In which one way is transpiration beneficial to plants?
.....
- (c) How do plants purify the environment?
.....
43. (a) Give any two reasons why it is important to keep the body clean.
(i)
(ii)
- (b) State any two dangers of failing to keep the body clean.
(i)
(ii)
44. The diagram below shows a source of water. Use it to answer the questions below.



- (a) Name the source of water shown above.
.....
- (b) State the importance of water channel on the source of water above.
.....

(c) In which **two** ways can water obtained above be made safe for drinking?

(i)
(ii)

45. In **four** sentences, explain how one would recover salt mixed with sand.

(i)
(ii)
(iii)
(iv)

46. **Match the following correctly.**

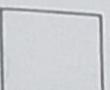
List A

- (i) Humidity
(ii) Speed of wind
(iii) Air pressure
(iv) Rainfall

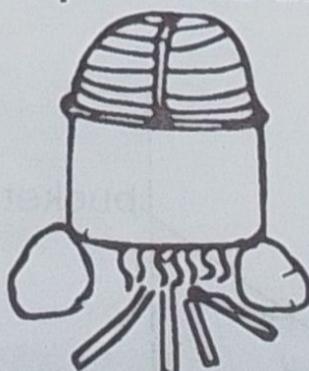
List B

- Rain gauge
Barometer
Anemometer
Hydrometer
Hygrometer

- (i) Humidity
(ii) Speed of wind
(iii) Air pressure
(iv) Rainfall



47. **The diagram below shows food being cooked. Use it to answer the questions that follow.**



- (a) What is the importance of covering food with banana leaves when cooking?
.....
- (b) State **one** disadvantage of cooking food when it is not covered.
.....
- (c) Name the form of heat travel that helps in cooking of food.
.....

- (d) Why is it advisable to use insulators to lift a hot saucepan from fire?
-
48. (a) Name any **two** insects that are trapped by the help of light at night.
- (i)
- (ii)
- (b) What scientific name is given to the larva stage of:
- (i) A Butterfly
- (ii) A Mosquito
49. *Study the table below and complete it by filling in the missing information.*
- | <u>Disease</u> | <u>Vaccine</u> | <u>Site of vaccine</u> |
|-------------------|-----------------|------------------------|
| (i) Poliomyelitis | | Mouth |
| (ii) Measles | Measles vaccine | |
| (iii) | BCG vaccine | Right upper arm |
| (iv) Hepatitis B | | Left upper thigh |
-
50. (a) What is air?
-
- (b) Give the component of air that makes the soil fertile.
-
- (c) How is burning similar to rusting?
-
- (d) Name any **one** way of preventing metals from rusting.
-
51. (a) State any **two** causes of truancy.
- (i)
- (ii)
- (b) In which **two** ways can a P.7 candidate prevent smoking?
- (i)
- (ii)
52. (a) What term is used to mean the development of seed embryo into a seedling?
-
- (b) Mention the **two** types of a seed development into a seedling.
- (i)
- (ii)

(c) How does moisture support the development of a seed into a seedling?

53. (a) State the way the seeds below are dispersed in our environment.

(i) Black jack

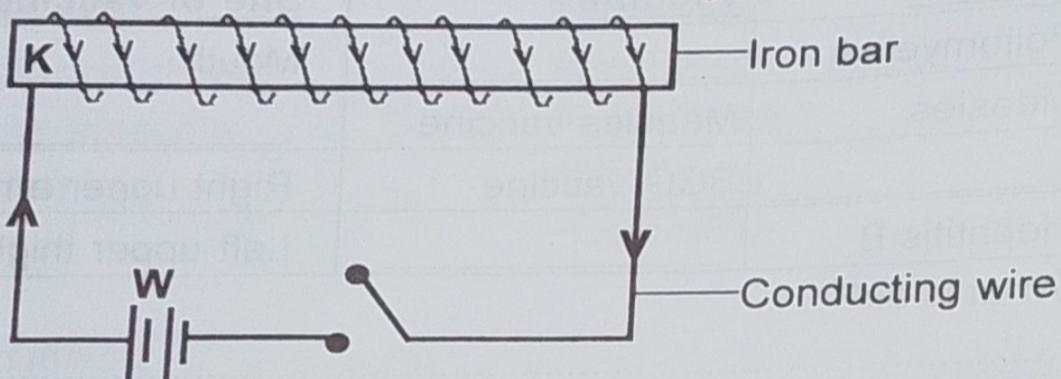
(ii) Dandelion

(b) How is a blackjack adapted to its mode of seed dispersal?

(c) Give one importance of seed dispersal to animals.

54. **The diagram below is a method of making magnets.**

Study it and use it to answer the questions that follow.



(a) Identify the pole marked K.

(b) Give a reason to support your answer in (a) above.

(c) Name the method illustrated above.

(d) What energy change takes place at W when the circuit is complete?

55. (a) Why is transplanting done using a trowel?

(b) Give a reason why it is advisable to carry out transplanting in the evening.

(c) What happens if wood is burnt in plenty of supply oxygen?

(d) Give the term used to refer to the keeping of timber in a shade to allow it dry at a slow rate.

END