



**MPALE CITY EXAMINATIONS BOARD**  
**PRIMARY LEAVING MOCK EXAMINATIONS**  
**2025**

**INTEGRATED SCIENCE**

**Time Allowed: 2 Hours 15 Minutes**

| RANDOM NO. |  |  |  |  |  |  |  |  |  | PERSONAL NO. |  |  |
|------------|--|--|--|--|--|--|--|--|--|--------------|--|--|
|            |  |  |  |  |  |  |  |  |  |              |  |  |

Candidate's Name:.....

Candidate's Signature:.....

School Name: .....

Read the following instructions carefully:

1. Do not write your school name anywhere on this paper.
2. This paper has two sections: A and B. Section A has 40 questions (40 Marks) and Section B has 15 questions (60 Marks). The paper has 15 printed pages altogether.
3. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pens or ink. Any answer or work written in pencil other than drawings will not be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated:  
"For examiner's use only" and boxes 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   |       |           |

Turn Over

## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the vector that spreads bilharziasis.

.....

2. State any **one** way in which coal is useful to a steel milling industry.

.....

3. Which process in plants increases the amount of oxygen in the atmosphere?

.....

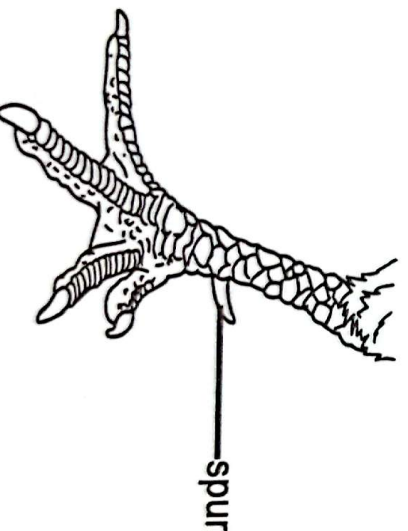
4. Name the component of soil formed when organic matter decays.

.....

5. Give the function of the cotyledon in a maize grain during germination.

.....

The diagram below shows a foot of a common bird in the environment. Study and use it to answer questions 6 and 7.



6. To which group of birds does a bird with such a foot belong?

.....



7. Give **one** important way a primary seven pupil can safeguard him/herself against HIV/AIDS.

.....

8. How is a strip cup important on a cattle farm?

.....

9. State **one** principle on which the human eye performs its function of sight.

.....

10. Write any **one** way breastfeeding activity improves the baby's immunity.

.....



11. Why is it not necessary to smoke a VIP latrine?

.....

12. State any **one** way in which the breeding of mosquitoes can be controlled in the environment.

.....

13. Which method of heat transfer enables farmers to dry their harvested cereals?

.....

14. State any **one** factor that a beekeeper should consider when siting an apiary.

.....

15. How are pawpaw plants able to avoid self pollination?

.....

16. State the method used to separate a mixture of liquids with different densities.

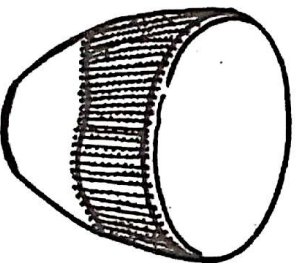
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17. Give any **one** way a school health committee can be able to identify a child who was immunized against tuberculosis without using a child health card.

.....

**The diagram below shows an example of a musical instrument.**

*Use it to answer questions 18 and 19.*



18. To which group of musical instruments does the above instrument belong?

.....

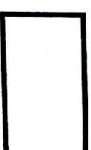
19. Why are rabbit hutches constructed with slanting concrete floors?

.....



20. Mention one use of the tongue to a dog.

.....



21. How is a urinary bladder different from a gall bladder in terms of their function?

.....  
.....

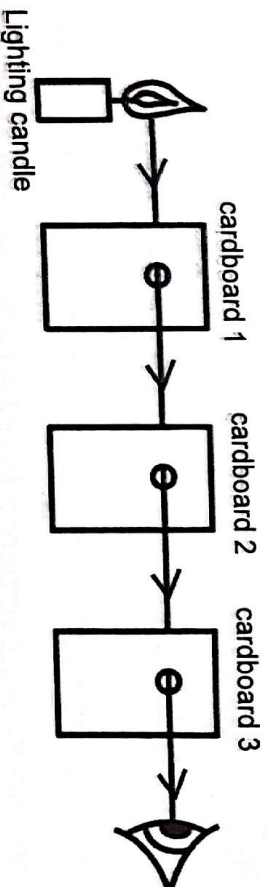
22. State any **one** factor that a doctor considers when prescribing drugs to a patient.

23. Name the method of preserving meat where slow burning fire is used.  
.....

24. Why should bags of maize flour be put on raised stands?  
.....

**The diagram below shows a property of light. Study and use it to**

*answer questions 25 and 26.*



25. Give the role of the candle in the above experiment.

.....

26. State what the above experiment proves about light.

.....

27. Why is bush burning not recommended as a method of clearing land for digging?

.....

28. Name the temporary magnet made using electricity.

.....

29. Give any **one** reason why shoes are important in the control of hookworm infection.

.....

30. Mention any **one** way friction is reduced in the human body joints.

.....

31. Write any **one** characteristic of arachnids.

.....

32. Why do most people in Uganda prefer rearing poultry to other domestic animals?

.....

.....

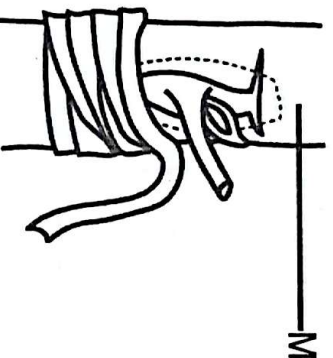
33. Describe briefly what happens to pollen after landing on the stigma.

.....

.....



The diagram below shows a method of artificial vegetative propagation. Study and use it to answer questions 34 and 35.



34. Which method of artificial vegetative propagation is shown above?

.....

35. Give a reason why a fish is able to live in water as its habitat.

.....

36. Mention any **one** way of preventing diseases without using drugs.

.....

37. Why does a pen fail to write on a paper smeared with cooking oil?

.....

38. Mention any **one** condition that can lead to dehydration in babies.

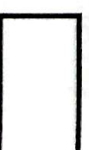
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39. Give any **one** factor that determines the rate of evaporation in the environment.

.....

40. State the importance of incisor teeth while eating food.

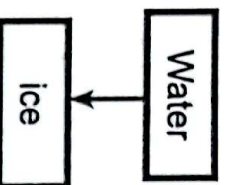
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**SECTION B: 60 MARKS**

Questions 41 to 55 carry four marks each.

41. The diagram below is of a physical process. Study and use it to answer the questions that follow.



- (a) State what happens to each of the following during the above process:
- (i) volume .....
- (ii) density .....
- (b) Give any one way in which the process shown above is important to people.
- .....

- (c) Why is water classified as matter?
- .....

42. (a) Give the group of crops that provides multiple harvests.
- .....

- (b) Mention any two examples of such crops mentioned in (a) above.

(i) .....

(ii) .....

- (c) State any one method of harvesting the crops given in (b) above.
- .....



43. (a) Why do we soak clothes before washing them?

.....

(b) How does wringing clothes ease their drying process?

.....

(c) Give any **two** reasons for ironing clothes after washing.

(i) .....

(ii) ..... 

44. (a) State any **one** way the skeletal system is useful to the circulatory system.

.....

(b) Which type of joint is formed by the scapula and humerus?

.....

(c) Name any **one** mineral salt useful in the formation of strong bones.

.....

(d) Why are biceps and triceps called antagonistic muscles?

.....

45. (a) Name the component of air excreted from the body by the lungs.

.....

(b) State **two** adaptations of alveoli to carrying out breathing.

(i) .....

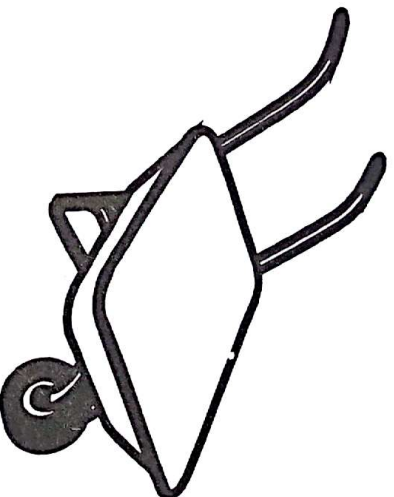
(ii) .....



(c) Which disorder of the respiratory system is caused by blockage of the trachea?

.....

46. The diagram below shows a simple machine. Study and use it to answer the questions that follow.



(a) Name the machine shown above.

.....

(b) Give **one** use of the machine shown above in a home.

.....

(c) To which class of levers does the above machine belong?

.....

(d) Use an arrow and letter **P** to show the position of the pivot.



47. Match the mixtures in list X with their methods of separation in list Y.

**List X**

cooking oil with water

stones with bean seeds

alcohol with water

bean seeds with husks

**List Y**

fractional distillation

winnowing

decantation

sorting

(i) cooking oil with water .....

(ii) stones with bean seeds .....

(iii) alcohol with water .....

(iv) bean seeds with husks .....

48. (a) Write any two indicators of poor sanitation in some homes.

(i) .....

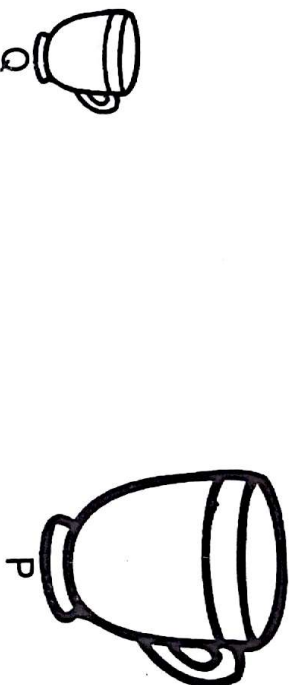
(ii) .....

(b) Give any two ways of maintaining the cleanliness of our home environment.

(i) .....

(ii) .....

49. The diagrams below show two plastic cups containing tea. Use them to answer the questions that follow.



(a) In which cup will the tea cool faster?

.....

(b) Why would the tea cool faster in the cup you have named in (a) above?

.....

(c) What physical process leads to the cooling of tea in the cups shown above?

.....

(d) To which state of matter does the tea in the cups shown above belong?

.....



50. (a) Name the bud on the plant that plays the following roles:

- (i) develops into a branch or a flower .....
- (ii) enables a plant to increase in height .....
- (b) How are plant roots adapted to absorbing water and mineral salts?  
.....

(c) Give the benefit of chlorophyll to a plant.  
.....

51. (a) State any **two** properties of air.

- (i) .....
- (ii) .....
- (b) Mention the component of air that can be used to preserve semen.  
.....

(c) Give any **one** game that can be played using wind.  
.....

52. (a) Mention any **two** ways of keeping the body clean.

- (i) .....
- (ii) .....
- (b) State **one** reason why it is important to keep the body clean.  
.....
- (c) Give any **one** way pumice stones help to promote personal hygiene.  
.....



53. (a) Which method of making alcohol involves the use of yeast?

.....

(b) Give any **two** effects of excessive consumption of alcohol to the human body.

(i) .....

(ii) .....

(c) Mention any **one** life skill a P.7 candidate can use to protect him/herself from drinking alcohol.

.....

54. (a) State the importance of each of the following items used when

giving first aid to a casualty;

(i) splints .....

(ii) safety pin .....

(b) Give any **two** factors considered before administering first aid to a casualty.

(i) .....

(ii) .....



55. You are given the following items:

clean safe water, a tea spoon, a jug, salt and sugar.

In four sentences, explain the steps followed when preparing ORS locally.

(i) .....

.....

(ii) .....

.....

(iii) .....

.....

(iv) .....

.....

