

MBARARA DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK, 2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.	Personal No.

Candidate's Name:

Candidate's Signature:

District ID No:

Read the following instructions carefully:

1. Do not write your **school or district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions. The paper has **12 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 pen or ink. Any work written in pencil other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that can not easily be read may lead to **loss** of marks.
6. Do **not** fill anything in the table indicated: "**For Examiners' Use Only**" and boxes inside the question paper.

FOR EXAMINERS' 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 : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Why should we keep our clothes clean?

.....
.....

2. State the standard unit for measuring capacity.

.....
.....

3. Name the body part human beings use for tasting.

.....
.....

4. What causes AIDS among human beings?

.....
.....

5. Why is a forked hoe recommended for harvesting tuber crops?

.....
.....

6. How do caterpillars protect themselves against enemies?

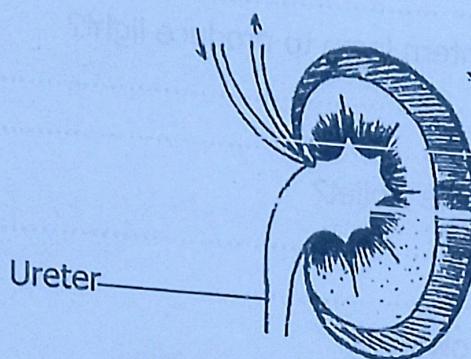
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.....

7. Why is sugar an important component of Oral Rehydration Solution (ORS)?

.....
.....

8. An irregular object of 120g displaces 20cc of water when lowered in a measuring cylinder. Find its density.

The diagram below shows a human body organ. Study and use it to answer questions 9 and 10.



9. Name the major organ of the human body drawn above.
.....
.....
10. Give one way of caring for the organ above.
.....
.....
11. How is water an important component in the environment?
.....
.....
12. What is the danger of leaving broken furniture in the classroom?
.....
.....
13. Why do rabbit farmers isolate sick rabbits on their farms?
.....
.....
14. Which deficiency disease results from lack of enough vitamin B₁ in the human diet?
.....
.....
15. Which habit promotes oral hygiene?
.....
.....
16. How do volcanic eruptions affect the environment?
.....
.....

17. State the energy change which takes place when a moving bus comes to rest.

.....

18. What is the source of energy used by a lantern lamp to produce light?

.....

19. Why do we wash hands after visiting a latrine /toilet?

.....

20. What makes loam soil suitable for plant growth?

.....

.....

21. State the term which describes the lowness or highness of sound.

.....

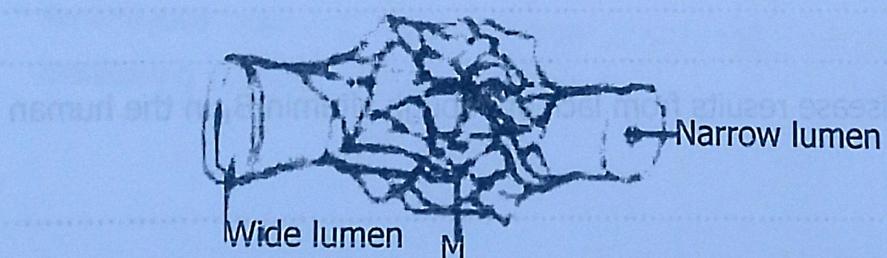
22. Which type of chickens is kept for egg production?

.....

23. Name the vaccine which is administered through the mouth.

.....

The diagram below shows blood vessels in the human body. *Study and use it to answer question 24.*



24. Name the blood vessels marked M on the diagram above.

.....

25. How do human beings use soil as a resource?

.....

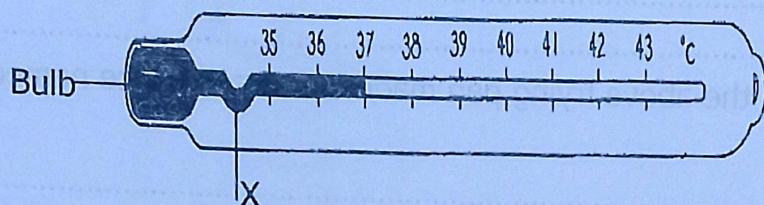
26. Give one insect which uses soil as its habitat.

.....

27. Write down one way of caring for the sick.

.....

The diagram below is of a thermometer. Study and use it to answer questions 28 and 29.



28. Name the instrument shown in the diagram above.

.....

29. State the function of the part marked X in the working of the instrument shown above.

.....

30. How can one working in a wet place prevent athlete's foot?

.....

31. State one effect of smoking to the family.

.....

32. Why should harvested cassava be properly dried before storage?

.....

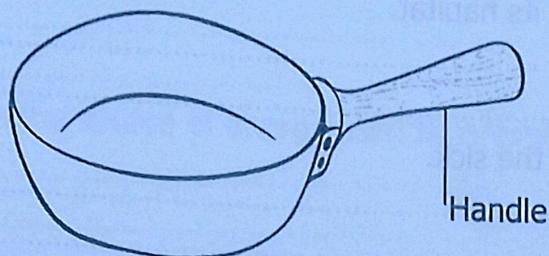
33. What happens to the ribcage during inhalation?

.....

34. Name the form of addiction which results from prolonged and excessive use of Alcohol.

.....

The diagram below shows a frying pan. Study and use it to answer questions 35 and 36.



Handle

35. Name the substance used to make the handle of the above frying pan.

.....

36. Why is the handle of the above frying pan made of the substance named in (35)?

.....

37. How are clouds formed in the atmosphere?

.....

38. Name the female sterile bee in the hive.

.....

39. What is the Function of the ovaries in the human reproductive system?

.....

40. How long is the gestation period of a ewe?

.....

.....

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

41. (a) How does a dynamo produce electricity?

.....

- (b) Which other device produces electricity in the same way as the dynamo?

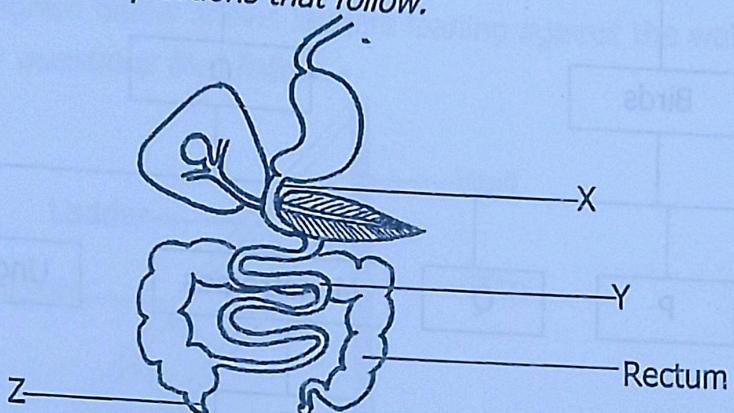
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(c) Give two devices which use a motor to work.

- (i).....
(ii).....

The diagram below shows part of the human alimentary canal. *Study and use it to answer questions that follow.*



42. (a) Name the parts marked;

- (i) Y

- (ii) Z

(b) Which substance is absorbed in part marked Y?

(c) What is the role of the rectum in the human alimentary canal?

43. (a) What is fainting?

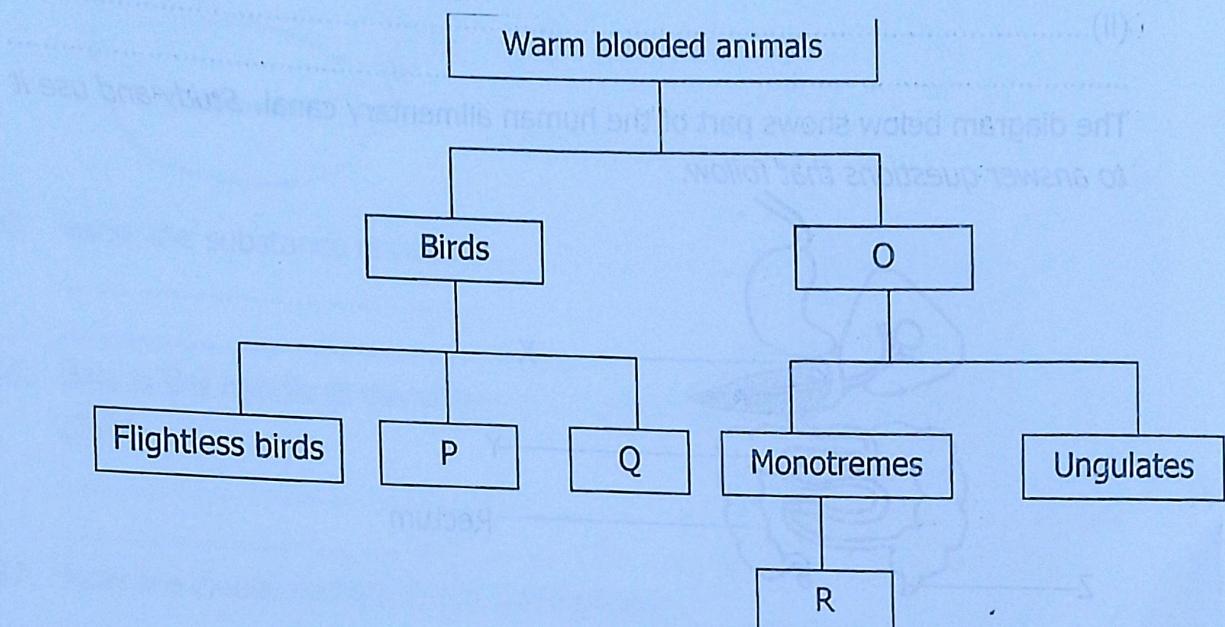
(b) How does standing in the sunshine for a long time cause fainting?

(c) Write down two ways you can help to save the life of a fainted casualty.

- (i).....

- (ii).....

The illustration below shows groups of warm blooded animals. Fill in the information represented by letters.



44. (i) O
- (ii) P
- (iii) Q
- (iv) R

45. Match the vectors in A with their respective diseases in B correctly.

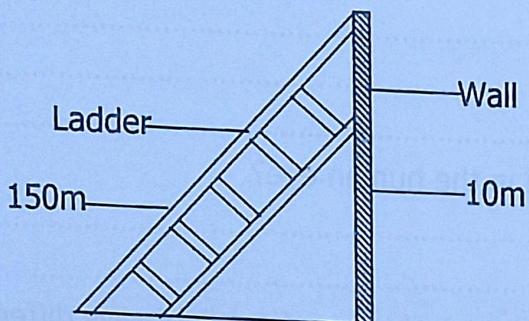
	Vector (s) (A)	Disease (s) (B)
(i)	Cockroaches	Rabies
(ii)	Black flies	Polio
(iii)	Rat fleas	River blindness
(iv)	A Rebid dogs	Bubonic Plague

- (i) Cockroaches
- (ii) Black flies

(iii) Rat fleas

(iv) Rabid dogs

The diagram below shows ladders leaning against the wall. Study and use it to answer questions that follow.



46. (a) Name the simple machine shown in the diagram above.

(b) Calculate the mechanical advantage of the machine above. (2 marks)

(c) State the benefit of increasing the slope when using the above machine.

47. The table below shows types of cattle and the main purpose. Fill in the missing information.

	Cattle type (s)	Main purpose (s)
(i)	Provide labour
(ii)	Dairy cattle
(iii)	Beef production
(iv)	Dual purpose cattle

48. (a) Why are cypress trees referred to as non flowering plants?

(b) How are cypress plants similar to bean plants in the way they reproduce?

(c) Give two examples of spore bearing plants.

(i).

(ii)

49. (a) Which type of lens is found in the human eye?

(b) Why is the lens in the human eye able to refract light rays differently?

(c) Give the role of the following parts of the human eye;

(i) Pupil.

(ii) Optical nerve

The diagram below shows part of the human skeleton. *Study and use it to answer questions that follow.*



50. (a) Name the part of the skeleton shown in the diagram above.

(b) What is the major role of the part named in (a) above in the human body?

(c) Give two delicate body organs protected by the part named above.

(i).....

(ii).....

51. (a) Give two ways of caring for animals.

(i).....

(ii).....

(b) Write down two benefits of keeping animals and growing trees on the same farm.

(i).....

(ii).....

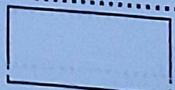
52. (a) Why should family members be vaccinated regularly?

(b) Which practice helps to control water borne diseases?

(c) Write down two other ways of reducing common sicknesses in our homes.

(i).....

(ii).....



53. (a) Give two methods used to prepare water for washing clothes.

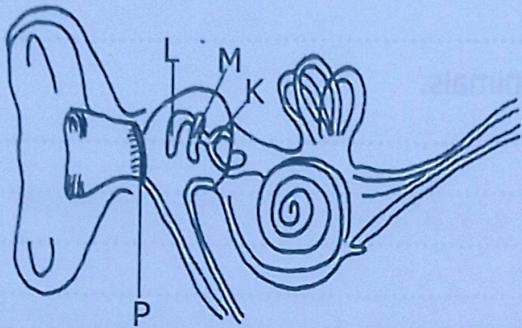
(i).....

(ii).....

(b) Write down two ways of making hard water soft.

- (i).....
(ii).....

The diagram below shows a human ear. *Study and use it to answer questions that follow.*



54. (a) Give the collective name for **K**, **L** and **M**.

(b) State the function of the part marked **P** on the diagram above.

(c) Give two parts of the human ear which do not take part in the hearing process.

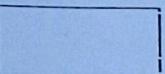
- (i).....
(ii).....

55. (a) Name the method of making alcohol which involves the use of heat.

(b) Why is the delivery tube coiled in cold water during distillation?

(c) Give two physical processes involved in the distillation of alcohol.

- (i).....
(ii).....



END