

**KASESE DISTRICT PRIMARY SCHOOL HEADTEACHERS' ASSOCIATION**  
**PRIMARY LEAVING MOCK EXAMINATIONS 2023**  
**INTEGRATED SCIENCE**

Time Allowed: 2 Hours 15 Minutes

INDEX NO.

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Candidate's Name \_\_\_\_\_

Candidate's Signature \_\_\_\_\_

School Name \_\_\_\_\_

Sub-county \_\_\_\_\_

**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 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer **ALL** questions in Section A and Section B. Answers must be written in the spaces provided
5. All answers must be written using a blue or black ball-point pen or ink. Only diagrams may be done 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.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 45		
46 - 48		
49 - 50		
51 - 52		
53 - 55		
Total		

### **SECTION A (40 MARKS)**

1. Name any one product from domestic animals.

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2. Mention the instrument used to measure the human body temperature.

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3. Apart from lateral roots, name one other part of the root system.

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4. Which type of family consists of the following members: mother, father and their sisters?

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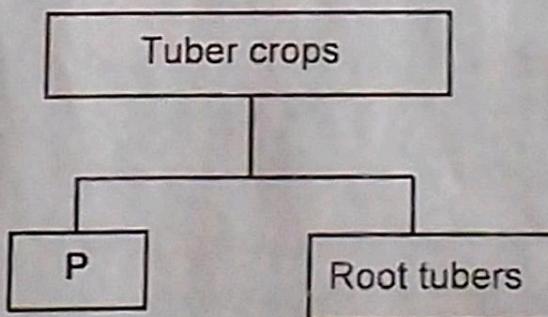
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5. State the function of the tentacles to snails.

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**The chart below shows groups of root tuber crops. Study it and use it to answer questions 6 and 7.**



6. Name any one example of tuber crops in the box marked with letter P.

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7. State any one characteristic common to all root tubers.

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8. Name the gas used in fire extinguishers.

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9. Apart from a simple (wet) cell, give one other example of primary cells.

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10. Give one way how severe diarrhoea leads to dehydration.

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11. State any one characteristic that enables termites to build an anthill within a short time.

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12. In which state of matter is smoke?

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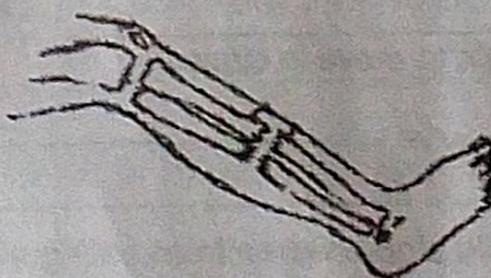
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13. How does decision making help school children to safeguard themselves against alcoholism?

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The diagram below shows a fracture. Use it to answer question 14.



14. Name the type of fracture shown in the diagram above.

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15. Apart from winnowing give one other importance of wind.

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16. How is a rain gauge important in a weather station?

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17. State one reason why a person with hook worms likely to suffer from anaemia.

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18. Give any one way how a beak of a preying bird is adopted to its feeding.

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19. Name one primary sex characteristic in a female adolescents.

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20. State the importance of saliva in the digestive system.

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21. Apart from pregnant mothers, name one other group of people who are given TT Vaccine.

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22. Which cattle disease makes animals to move in circles?

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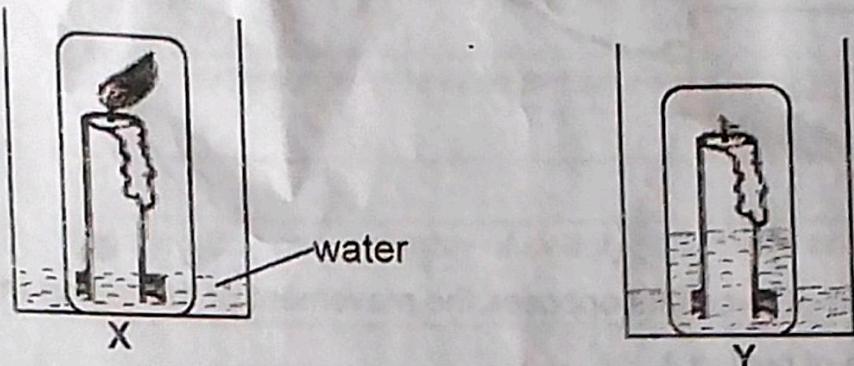
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23. Give one reason why parents should stop children from eating a lot of sweets.

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The diagram below shows an experiment on burning. Use it to answer questions 24 and 25.



24. Why does the candle in container Y go off after a short time?

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25. State the cause of the level of water rising in container Y.

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26. Name the type of blood cell which has a nucleus.

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27. Which type of germ causes bacillary dysentery?

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28. Give any one way of caring for domestic animals at home.

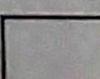
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29. State any one effect of alcohol to an individual.

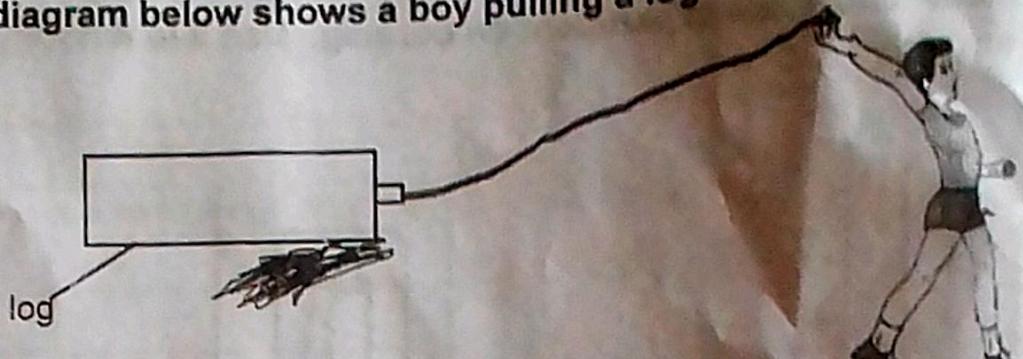
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30. Mention any one disease that can be controlled by observing social distance.

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The diagram below shows a boy pulling a log. Use it to answer question 31



31. Name the kind of force that opposes the movement of the log as the boy tries to apply force of pulling it.

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32. Apart from a razorblade, name one other tool you can use to cut the finger nails short.

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33. At what stage does a housefly become useful to man?

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34. State any one factor to consider when selecting a good piglet for keeping

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35. Give the cause of goitre in human beings.

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36. How is a banana plant similar to a pineapple in terms of propagation?

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37. Name the element of PHC which deals oral and dental health care.

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38. State how fish farming helps in the control of malaria spread in the community.

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39. Give one reason why leaves are arranged along the stem in a regular pattern.

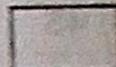
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40. Mention any one example of deadly poisonous snakes.

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### SECTION B (60 MARKS)

41. (a) State any two ways plants are useful to people.

(i) \_\_\_\_\_

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(ii) \_\_\_\_\_

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- (b) Give any two ways in which man takes care of plants.

(i) \_\_\_\_\_

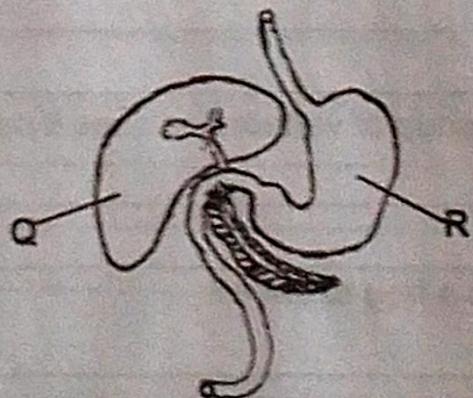
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(ii) \_\_\_\_\_

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The diagram below shows a digestive system. Use it to answer questions that follow.



42. (a) Name the organ marked with letter Q.

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(b) Give the class of food digested in part labelled with letter R.

(c) State any two importance of mucus found on the lining of the alimentary canal during digestion.

(i)

(ii)

43. (a) Give any two activities done under personal hygiene.

(i)

(ii)

(b) State any two importance of maintaining personal hygiene.

(i)

(ii)

44. (a) Give a reason why a frog is able to live both on land and in water comfortably.

(b) To which group of vertebrates does it belong?

(c) What helps a frog to swim?

(d) State how the frog protects its eggs.

45. (a) Mention any two signs and symptoms of COVID-19.

- (i) \_\_\_\_\_  
\_\_\_\_\_
- (ii) \_\_\_\_\_  
\_\_\_\_\_

(b) Give any two things that can be used under SOPS management as a measure to control the spread of COVID-19.

- (i) \_\_\_\_\_  
\_\_\_\_\_
- (ii) \_\_\_\_\_  
\_\_\_\_\_

46. The table below shows types of teeth and their adaptation to their functions. Use it to match correctly the type of teeth and their adaptation .

Type	Adaptation
Incisors	They have strong flat broad tops for grinding.
Canines	They have broad tops with cusps for breaking and chewing.
Pre-molars	They are strong sharp pointed for tearing.
Molars	They are flat, sharp and chisel shaped for biting and cutting.

(a) Incisors \_\_\_\_\_

(b) Canines \_\_\_\_\_

(c) Pre-molars \_\_\_\_\_

(d) Molars \_\_\_\_\_



47. (a) Name the excretory products removed from the body by the following excretory organs.

(i) Liver \_\_\_\_\_

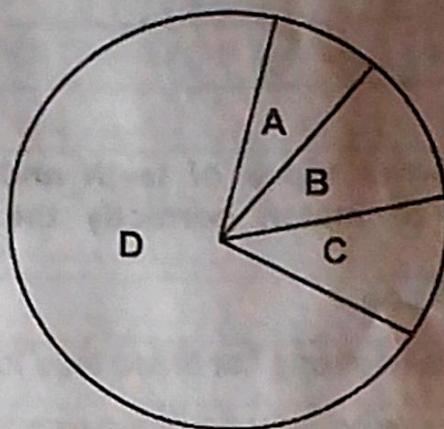
(ii) Skin \_\_\_\_\_

(b) Give any two diseases of the skin.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

48. The pie chart below shows the proportions of air. Use it to answer questions that follow.



(a) Name the gases labelled A and D.

(i) A \_\_\_\_\_

(ii) D \_\_\_\_\_

(b) Give the use of the gas labelled A.

(c) Which letter in the pie chart represents the gas which supports both burning and breathing?

49. (a) What is sanitation?

(b) State any two activities done by children to promote sanitation at school.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Give the advantage of keeping the environment clean.

50. (a) State any two importance of food in our body.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give any one way of preserving each of the following types of food.

(i) Meat \_\_\_\_\_

(ii) Beans \_\_\_\_\_

51. (a) Name any two immunisable diseases caused by bacteria.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State any two uses of a child health card.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52. (a) Give any two reasons why First Aid is given to a patient.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State any two importance of proper medical prescription before taking any medicine.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



53. (a) Which term is used to describe the keeping of rabbits in many hutches in one place?

- (b) State one reason why the hutches of rabbits should be raised off the ground.
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- (c) Give any two diseases that attack rabbits and poultry.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
54. (a) What name is given to the smallest particles of matter?  
\_\_\_\_\_
- (b) State the process through which heat travels in each of the following:
- (i) Solids \_\_\_\_\_
- (ii) Liquids \_\_\_\_\_
- (c) Through which state of matter does heat travel slowest.
55. The diagram below shows a boy getting water from the pump. Use it to answer questions that follow.
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- (a) To which class of lever does the above machine belong?  
\_\_\_\_\_
- (b) Mark on the diagram with letter E the position of the effort.
- (c) If the effort is 20N and the load is 80N. What is the mechanical advantage of the pump? (2mks)