

# KAMULI DISTRICT EXAMINATION BOARD

## MOCK 2025

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY SEVEN

DURATION : 2 HOURS 15 MINUTES

Index No.

Random No.						Personal No.		

CANDIDATE'S NAME : .....

CANDIDATE'S SIGNATURE: .....

SCHOOL NAME : .....

District Name :

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**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

**Read the following instructions carefully.**

### INSTRUCTIONS.

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. All answers must be written using blue or black pen.
5. Unnecessary crossing or changes may lead to loss of marks.
7. Do not fill anything in the boxes indicated for examiners use only.
8. The use of mathematical table and electronic calculators is not allowed.

### FOR EXAMINERS' USE ONLY

QNS	EXAMINERS' MARKS	EXAMINERS' INITIALS
1 - 15		
16 - 29		
30- 41		
42 - 45		
46 - 48		
49 - 52		
53 - 55		
TOTAL		

**SECTION A: (40 MARKS)**

1. Name the element of weather that helps to move kites.

2. State any way the nose is able to filter air we breath in.

3. Name the type of simple machine used for cutting wood.

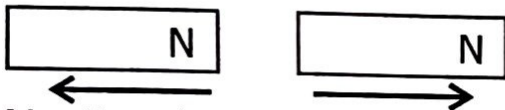
4. Give the reason why a nail sinks in a tin of water.

5. Mention the method of harvesting honey using a smoker.

6. Mention what helps a fish to be able to live in water.

7. Identify the reason why a good first Aider must be quick.

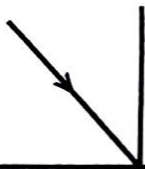
8. Name the property of magnet shown below.



9. Mention the way rainguage helps in the managing of floods in an area.

10. State the reason why vitamins and mineral salts are not digested in the body.

11. Name the type of reflection drawn below.



12. Mention the force that reduces on the weight of a big dry wood and does not sink in water.

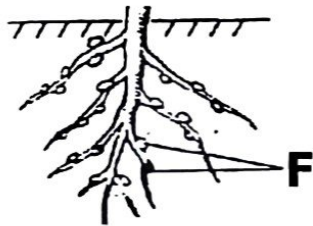
13. Identify the type of soil with the lowest capillarity.

14. Mention the way poor disposal of plastic materials cause poor crop yields.

15. Name the type of poultry reared for egg production.

16. State what helps canine tooth to tear food.

**The diagram below shows roots of a legume. Use it to answer the questions 17 and 18.**



17. Name the structures marked F.

18. State the importance of structure marked F.

19. Mention the importance of the sharp blades on secateurs during pruning.

20. Give the importance of soaking seeds before cooking.

21. Mention the normal human body temperatures in degrees celsius.

22. State the importance of keeping records on a poultry farm.

23. Give the difference between a root tuber and a stem tuber.

24. Identify the way friction force helps to write smoothly.

25. State the similarity between cotyledon of bean seed and endosperm of a maize grain.

26. Give any one responsibility of an individual to promote health.

27. Name the part of the human ear that balances the body.

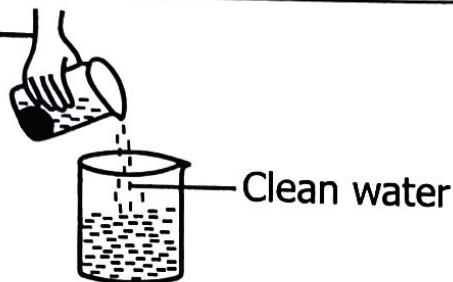
28. State any one danger of draining wetlands.

29. Mention any one sexual disease caused by bacteria.



30. Write the standard units for measuring mass.

31. Hand



Name the method of getting clean water shown above.

32. State one way of making the clean water above safe for drinking.

33. Mention the type of immunity got after illness.

34. Identify one way seed dispersal controls over crowding among plants.

35. Name the part of the circulatory system that carries blood to the heart from lungs.

36. Give a reason for brushing the tongue.

37. Mention any one health danger of using mira to an individual.

38. State one importance of having good sitting posture.

39. Give any one reason for using mercury in thermometers instead of alcohol.

40. Name any one type of rabbit hutch.

### **SECTION B (60 MARKS)**

41.a) Mention two ways the use of wood fuel is harmful to the environment.

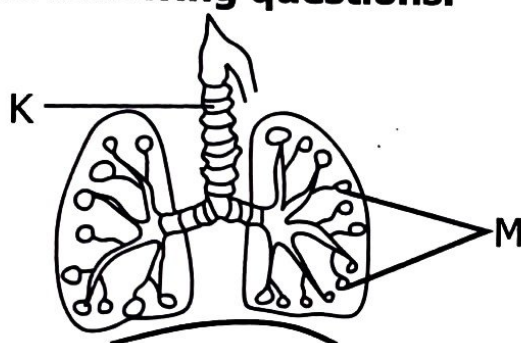
(i)

(ii)

b) Explain the way the sun is important to a crop farmer after harvesting crops. (2 marks)

42. a) Name the immunisable disease spread by mosquito bites.  
 \_\_\_\_\_
- b) State the way bushes around homes cause the spread of malaria.  
 \_\_\_\_\_
- c) Give one way the removing of broken bottles around the compound control the spread of malaria.  
 \_\_\_\_\_
- d) State any Primary Health Care element that helps to control the spread of malaria.  
 \_\_\_\_\_

**43. The diagram below shows respiratory system. Use it to answer the following questions.**



- a) Name the part marked K.  
 \_\_\_\_\_
- b) Give the importance of part marked M.  
 \_\_\_\_\_
- c) State two lifestyles that help the respiratory system to be healthy.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_
44. Give two ways in which planting flowers in a school compound is useful to a learner.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_
- b) State two dangers of digging around a tree seedling.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_
45. a) Define the term reflection of light.  
 \_\_\_\_\_  
 \_\_\_\_\_
- b) Mention any one effect of light on opaque objects.  
 \_\_\_\_\_  
 \_\_\_\_\_

c) Give two factors affecting the size of a shadow.

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

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

**46. Match the following types of changes in the environment with their examples correctly.**

**Examples**

**Types of changes**

- a) Drying of wood
- b) Rusting of a nail
- c) Melting of ghee
- d) Weathering of rocks

- Natural change
- Physical change
- Biological change
- Chemical change

a) Drying of wood \_\_\_\_\_

b) Rusting of a nail \_\_\_\_\_

c) Melting of ghee \_\_\_\_\_

d) Weathering of rocks \_\_\_\_\_

**47. The diagram below shows a fungus. Use it to answer questions.**



a) Use letter P to show gills.

b) Mention the reason why the above fungi is not considered as a plant.

c) Give two similar uses of fungi and bacteria.

(I) \_\_\_\_\_

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

**48. Manjeri collected a sample of fresh soil and put it in a dry tin and covered the tin with a dry lead. She heat the soil for sometime.**

a) State what the experiment was about.

b) Mention what Manjeri observed on the lead after the experiment.

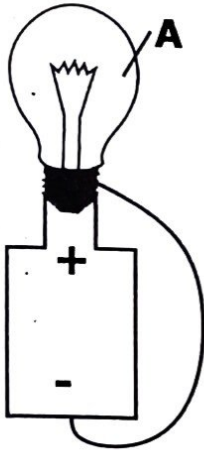
c) Give two advantages of crop rotation to a farmer.

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

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



49. The diagram below shows a simple circuit.



a) Name part marked A.

b) Use arrow to show the flow of current.

c) State two causes of short circuit.

(I)

(ii)

50. a) Define the meaning of the term vertebrates.

b) Name two groups of warm blooded vertebrates.

(i)

(ii)

c) Mention the way a bat is able to locate food.

51.a) Give the two reasons for giving colostrum to a calf.

(i)

(ii)

b) State two advantages of castration to the animal.

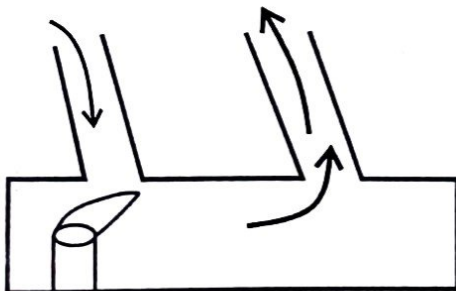
(i)

(ii)

52.a) State the health reason why its not advised to sleep in the same house with animals.

**The process below shows fresh air in and warm air out of the house. Use it to answer the following questions "b" and "c".**

b)



Name the heat transfer method that drives out warm air.

c) Explain why warm air raises up and cold air moves down wards. (2 marks)

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

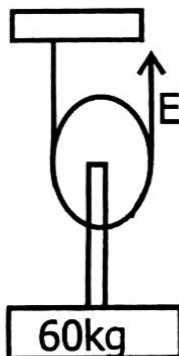
53. a) State two problems that affect adolescents and can lead to school dropout.

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

b) Give two ways a primary seven learner can help each other to stay in school.

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

**54. Name the type of simple machine drawn below.**



b) Mention any one advantage of using the simple machine drawn.

c) Calculate the effort of simple machine drawn. (2 marks)

55. a) Name the class of food that helps a learner to get energy.

b) Identify any one advantage of proper chewing of food before swallowing.

c) State two reasons why breast feeding is better than bottle feeding to a baby.

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