

**KAMPALA TEACHERS' EXAMINATIONS BOARD - KTEB**  
**SPECIAL MOCK EXAMINATIONS 2024**  
**PRIMARY SEVEN**

**INTEGRATED SCIENCE**

**TIME ALLOWED: 2 ¼ HRS.**

**NAME:** .....

**SCHOOL:** .....

**DISTRICT:** ..... **EMIS NO.** .....

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

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY:**

1. This paper is made up of the two sections A and B
2. Section A has 40 short questions. (40marks)
3. Section B has 15 questions. (60 marks).
4. Answer all questions. All answers to both sections must be written in the space provided.
5. All answers must be written using blue or black ballpoint pen or ink. Diagrams must be drawn in pencils.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any hand writing that cannot be read may lead to loss of marks.
8. Do not fill anything in the box indicated

FOR EXAMINER'S USE ONLY		
QN NO.	MARK	SIGN
1-10		
11-20		
21-30		
31-40		
41-50		
51-52		
53-54		
55		
TOTAL		



SECTION: A (40 MARKS)

1. Mention one component of air used in electric bulbs.  
\_\_\_\_\_
2. Identify any one mineral deficiency disease in children.  
\_\_\_\_\_
3. Write down one example of a fungus in babies.  
\_\_\_\_\_
4. How is measles vaccine administered to babies?  
\_\_\_\_\_
5. Name the component of blood that produces antibodies.  
\_\_\_\_\_
6. Which force causes objects to weigh less in water?  
\_\_\_\_\_

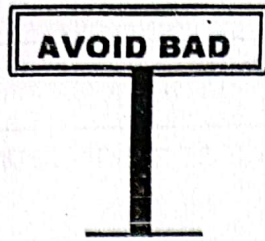
Study the diagram below and use it to answer questions 7 and 8.



7. Why is the above invertebrate grouped under arthropods?  
\_\_\_\_\_
8. How does the above animal reproduce?  
\_\_\_\_\_
9. Give one example of a short bone in the human body.  
\_\_\_\_\_
10. Why is decomposition regarded to as a chemical change?  
\_\_\_\_\_
11. Give a reason why gaps are left between rails of a railway line.  
\_\_\_\_\_
12. Mention any one sex characteristic that occurs in both adolescent boys and girls.  
\_\_\_\_\_
13. What component of soil is used by plants as a raw material for photosynthesis?  
\_\_\_\_\_
14. Why are legs of a person who has fainted raised higher than the head?  
\_\_\_\_\_



Below is a diagram showing PIASCY message found in the school compound of Gabriel J.r school. Use it to answer question 15.



15. How is the above message useful to pupil at Gabriel Jr. School?

16. Name the process involved in the production of biogas.

17. What terms is given to the turning point of a simple machine?

18. Identify any cause of soil erosion in our environment.

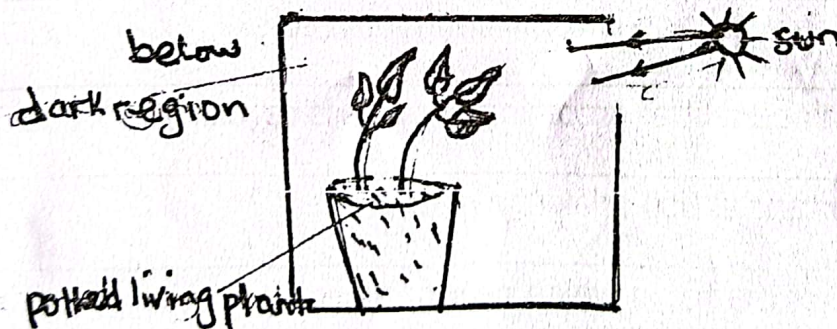
19. Why is a sick bay an important facility at school?

20. Change  $194^{\circ}$  into centigrade scale.

21. How does breast milk boost the baby's natural immunity?

22. Why are people advised to chew food properly before swallowing?

23. Name the type of plant response shown in the diagram below.



24. How is the retina of the eye similar to the film of a camera?

25. What type of soil has the high drainage rate?

26. Why is a child with hookworms likely to suffer from anaemia?

27. Mention any one sign of pregnancy in woman.



28. Identify one breed of sheep kept for its wool.  
\_\_\_\_\_
29. What is the importance of including fats in our diets?  
\_\_\_\_\_
30. State one traditional method of preserving fish.  
\_\_\_\_\_
31. Name the group of warm blooded vertebrates that mainly reproduce by laying eggs.  
\_\_\_\_\_
32. What is the immediate effect of untreated severe vomiting in human being?  
\_\_\_\_\_
33. Name the compound leaf drawn below.  
\_\_\_\_\_



34. What form of energy is produced when a bird is in motion?  
\_\_\_\_\_
35. Give one way animals are useful to plants.  
\_\_\_\_\_
36. Mention one way patients misuse drugs prescribed to them by doctors.  
\_\_\_\_\_
37. What type of leaf venation is common in monocots?  
\_\_\_\_\_
38. State the health benefit of grooming fingernails regularly.  
\_\_\_\_\_
39. Why is it important to boil drinking water properly?  
\_\_\_\_\_
40. Give one state of matter in which heat transfer by convection occurs.  
\_\_\_\_\_

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

41. (a) Name the last type of teeth to develop in human.  
\_\_\_\_\_
- b) State any two activities done to keep our teeth clean.  
i. \_\_\_\_\_  
ii. \_\_\_\_\_
- c) Give any one disorder of teeth.  
\_\_\_\_\_



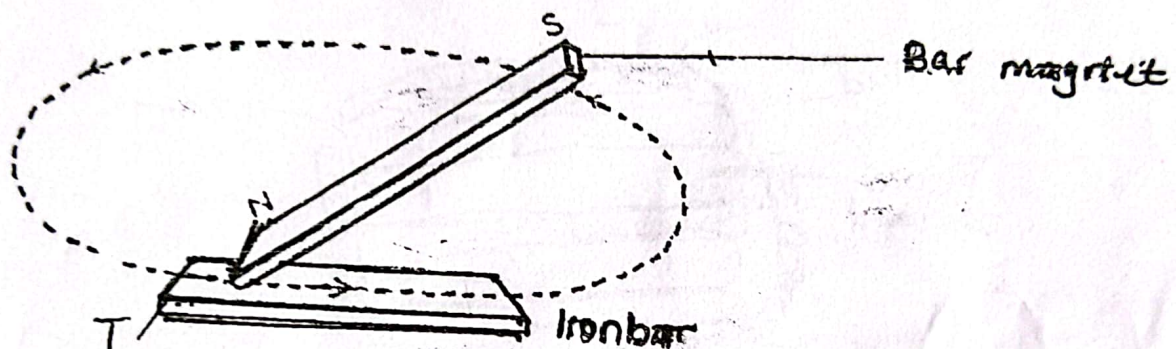
42. What are living things?

b) Name the characteristic that enables living things to increase in number.

c) Identify the group of living things that makes its own food.

d) Why is a stone not regarded as a living thing?

43. Study the method of making magnets drawn below and answer the questions that follows.



a) Name the method of making magnet above.

b) Identify the pole of magnet that will be formed at point marked T.

c) Give two uses of magnets in our daily life.

i.

ii.

44. Mention any one method of grazing cattle.

b) State any two tick borne diseases in cattle.

i.

ii.

c) Identify one way of controlling the above disease in cattle.

45. Identify any two rules followed when promoting primary health care (PHC)

b) suggest any two ways in which primary Health Care is useful to people.

i.

ii.



46. (a) Name the type of natural manure got from chicken droppings.

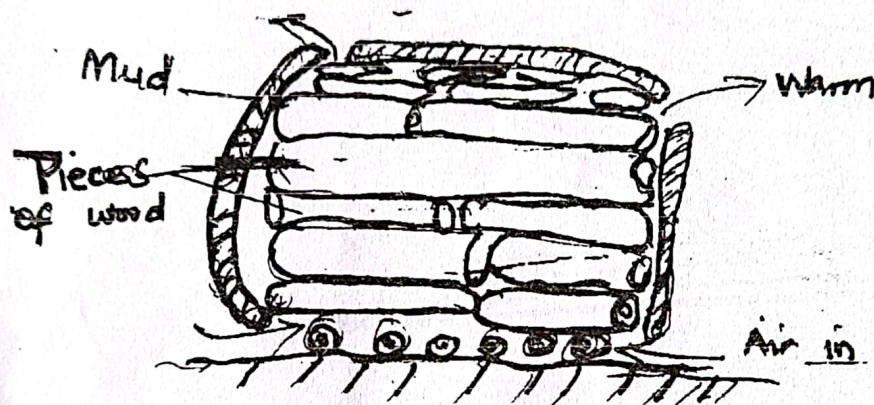
b) Identify any one commercial system of keeping chickens in our communities.

c) Mention two other benefits of poultry keeping to people apart from getting manure.

i.

ii.

47. The diagram below show a heap of burning pieces of wood covered with mud. Study and use it to answer question that follow.



a) What will be formed from the above burning pieces of wood?

b) Why is the above heap of burning wood covered with mud?

c) Suggest any two dangers of the above activities to the environment.

i.

ii.

48. Write down any two groups of essential drugs.

i.

ii.

b) Mention any one characteristic of essential drugs.

c) State any one danger of keeping drugs in the presence of children.

49. Give the meaning of the term respiration.

b) List down two by-products of respiration.

i.

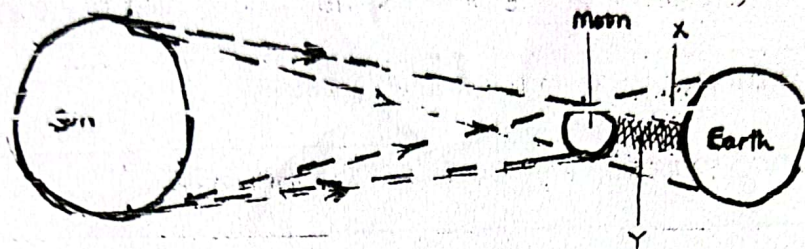
ii.



c) Why is the percentage of oxygen exhaled less than inhaled?

---

50. The diagram below shows a type of eclipse. Study and use it to answer the question that follow.



a) Name the type of eclipse shown in the above diagram.

---

b) Name the shadows marked X and Y

(i) X \_\_\_\_\_ Y \_\_\_\_\_

c) Give a reason why light rays bend at different angles as they leave the glass prism.

---

51. Which name is given to the larva of a housefly?

---

b) List down any two disease spread by housefly.

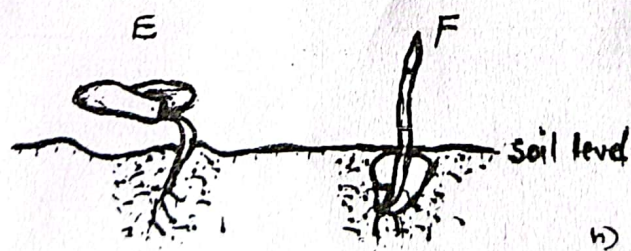
---

i.  
ii.

c) How is a housefly able to spread diseases?

---

52. The diagram below shows two seeds germinating . use it to answer questions that follow.



a) Name the type of germination shown in diagrams E and F.

E \_\_\_\_\_ F \_\_\_\_\_

b) Name the type of root system possessed by seedling marked E.

---

c) Identify any one condition necessary for germination.

---



53. What term is given to a mixture of two or more metals?

b) What is the composition of steels as a mixture of metals?

c) Mention any two methods of preventing metals from rusting.

i. \_\_\_\_\_

ii. \_\_\_\_\_

54. What name is given to the process that turns sugar to alcohol?

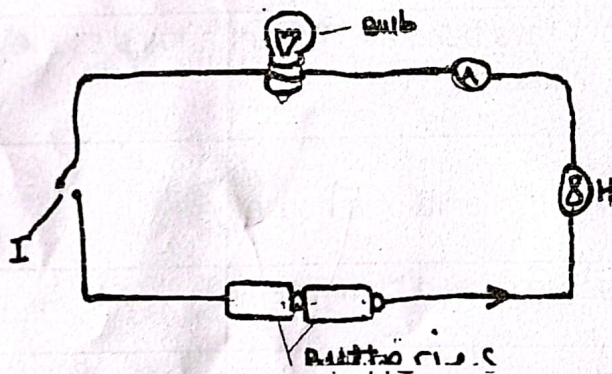
b) Name the fungus used in the above process.

c) Give any two reasons why some people drink alcohol.

i. \_\_\_\_\_

ii. \_\_\_\_\_

55. The diagram below shows an electric circuit. Study and use it to answer question 55.



a) Name part marked I.

b) Give the function of part it in the circuit.

c) What energy change takes place in the bulb when part I is closed.

d) Calculate the total voltage through the above circuit.

**THE END**