

KAMPALA URBAN SCHOOLS

EXAMINATION BOARD

Mid Term 1 Examination, 2024
Time allowed: 2 hours 15 minutes
P.7 Integrated Science

NAME

SCHOOL:

CLASS: **DATE:**

Read the following instructions carefully

1. This paper is made up of two Sections:
A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Attempt all questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will **NOT** be marked.
6. Crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.

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

PTO

SECTION A (40 MARKS)

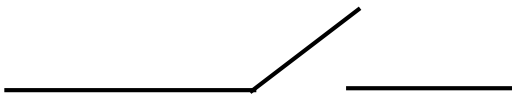
1. What is electricity?

2. Give a reason why it is necessary for the blood to go to the kidneys.

3. Why is a snail called an invertebrate?

4. How is a fuse important on an electric circuit?

The diagram below is an electric symbol.



5. State its usefulness in an electric symbol above on the circuit.

6. Apart from housefly, name any other organism that breeds in latrines.

7. How do cattle farmer control diseases in their livestock?

8. What role do plants play in the water cycle?

9. State one health habit that keeps bones and muscles of the human body in a proper working condition.

The diagram shows a mollusk. Study and use it to answer question 10.

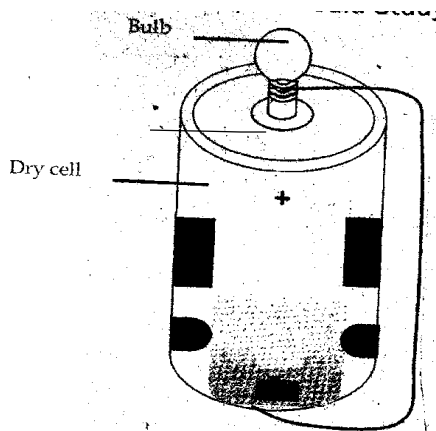


10. Name the structure found on part K?

11. Apart from oxygen, name another condition necessary for rusting to occur.

-
12. How is heat transfer by conduction useful to a dry cleaner?
-
13. Which type of electricity occurs in nature during lightning?
-
14. State one difference between a housefly and a spider.
-
15. Mention one crop the store food in the swollen underground roots.
-
16. Give one way one can manage rainy weather.
-
17. Why are there few flies in a VIP latrine?
-
18. State one importance of a childhood card to a mother.
-
19. How does the use of electricity help to conserve the environment?
-
20. Write one PIASCY message that protect school children form HIV/AIDS.
-
21. Apart from ferns, mention any other spore bearing plant.
-
22. Which energy resource helps in the generation of solar electricity?
-
23. Give any one way in which the spread of Hepatitis B disease can be prevented.
-
24. Why are vultures and crows called Scavenger birds?
-

Below is the diagram of a dry cell. Use it to answer question 25



25. What energy is stored by a dry cell?
-
26. What first aid would you give to a friend who has accidentally taken paraffin?
-
27. Write one activity that people do to keep their hair clean.
-
28. How is the joint at the elbow similar to the joint at the knee?
-
29. Why is the ribcage an important part of the human body?
-
30. Mention one disease in people prevented by eating a balanced diet.
-
31. What is a magnet?
-
32. Why should a P.7 practice good sitting posture?
-
33. Mention one type of a skeleton.
-
34. Apart from filtration, name one other method that used to obtain clear water for washing.
-
35. Give one way through which bananas are propagated.
-

36. Mention the intestinal worm that is prevented by eating fully cooked beef or pork.

37. Which form of energy is produced by the flow of electrons?

The diagram below is of a device that uses electricity to operate.



38. Name the device.

39. State the reason why the above device needs a magnet operate.

40. Name the part of a flower that has similar function as the oviduct in human beings.

SECTION B (60 MARKS)

41. (a) What is a fracture?

(b) State one sign of a fracture.

(c) State the first aid given to a person who has got a fracture.

(d) What type of a fracture is shown in the diagram below



42. a) Give the importance of the following components of a circuit below:

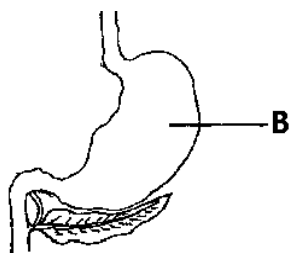
i) Switch

ii) Ammeter

b) Mention one part of the electric circuit that works like a switch in friction.

c) How are insulators useful in electrical installation?

43. *The diagram below is a part of a human body system. Study and use it to answer questions that follow.*



a) Identify the body system represented above.

b) Where does the digestion of food take place?

c) What is the function of hydrochloric acid in part B?

d) Mention one health habit that can keep the above system in good working condition.

44. a) Identify an element of a clean home responsible for the following functions:

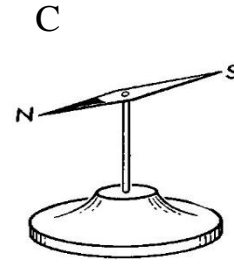
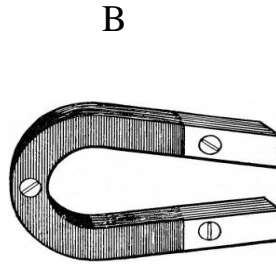
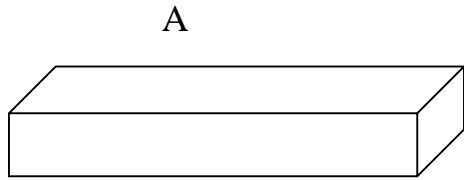
i) Proper disposal of human wastes _____

ii) Proper disposal of rubbish _____

b) Mention the element of PHC that helps to prevent out-break of diarrhoeal diseases in a home.

c) Identify any one place at home where hand washing facility can be put.

45. Study the diagrams below and use them to answer the questions that follow.



a) Name the piece of magnet marked.

A _____ B _____

b) Mention one property of a magnet.

c) Suggest anyone way how the magnet marked C can be of value to a pilot.

46. a) Identify any two major feature used to classify birds.

i) _____

ii) _____

b) How do birds benefit from their streamlined body?

c) What does the bird below feed on?



47. a) Name the two vaccines given to babies at birth.

i) _____ ii) _____

b) Give one way in which one can get natural immunity.

c) State one role of UNEPI in promoting immunization programmes.

48. a) Which tissue helps to:

i) connect muscles and bones _____

ii) connect bones with other bones _____

b) How do regular physical exercises help to maintain muscular – skeletal system?

c) Which immunizable disease affects the proper working of the skeletal system?

49. a) State two primary sex characteristics in girls.

i) _____

ii) _____

b) State any two secondary sex characteristic in both boys and girls.

i) _____

ii) _____

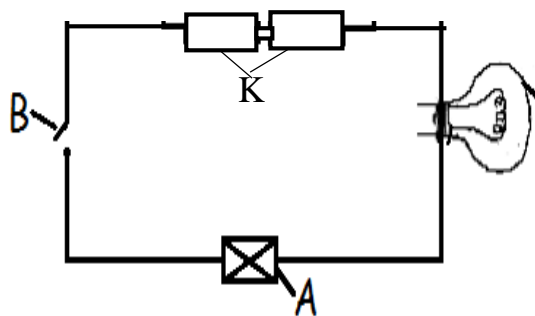
50. a) Mention one home item that keeps hot food hot.

b) Why is a thermos flask not common in every home?

c) Apart from porridge, which other food stuff can be kept in a thermos flask?

d) How is a vacuum of a thermos flask able to prevent heat loss and gain by conduction and convection?

51. *The diagram below is an electric circuit. Use it to answer questions that follow.*



a) Name the form of energy produced by part K.

b) Identify the energy change that can take place in part K when B is closed.

c) How is part marked A and B similar in function?

d) Use arrows to indicate the flow of current on the diagram above.

52. a) Apart from moisture, mention two other conditions seeds need to germinate.
 i) _____ ii) _____
 b) What is the use of air in the soil during germination?

 c) Mention one component of the environment that supports seed germination.

53. **Match vectors in a with their disease they spread in B**
- | <u>List A</u> | <u>List B</u> |
|----------------|-------------------|
| Rat fleas | Rabies |
| Tsetsefly | Elephantiasis |
| Culex mosquito | Sleeping sickness |
| Rabid dogs | Bubonic plague |
- i) Rat fleas _____
 ii) Tsetsefly _____
 iii) Culex mosquito _____
 iv) Rabid dogs _____
54. a) Give one difference between a tapeworm and a hook worm in the way they feed.

 b) Why does a person suffering from hook worm infestation become anaemic?

 c) Give one way how tapeworm infection can be prevented in a home.

 d) How are tapeworm similar to hookworms in terms of their body structure?

55. Identify the sense body organ responsible for;
 i) sight _____
 ii) sensing coldness _____
 iii) detecting the presence of salt in food _____
 iv) body balance _____

Success!