

**BUHWEJU DISTRICT LOCAL GOVERNMENT
ACADEMIC BOARD
P.7 MOCK 2024
INTEGRATED SCIENCE**

TIME ALLOWED: 2HRS AND 15 MINUTES

INDEX NO

Emis number	Personal number

Candidate's Name

Candidate's Signature

School Name

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

Read the following instructions carefully

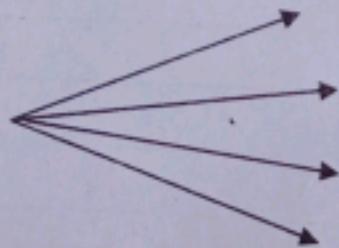
1. This paper is made up of two sections A and B
2. Section A has 40 questions (40 MARKS).
3. Section B has 15 questions. (60 marks).
4. Attempt ALL questions. ALL answers to both Section A and B MUST be written in the space provided.
5. All answers must be written in blue or black ball point or ink. Only diagrams and Graphs work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may

FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Examiner's No.
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
TOTAL		

SECTION A

1. Identify the vector that spreads malaria.
.....
2. Which component of the environment exists in the all the three states of matter?
.....
3. Mention the weather condition that can be managed by use of umbrella a part from rainy weather.
.....
4. State the energy change that takes place when an electric cooker is working.
.....
5. Name the reproductive part of a plant.
.....
6. Mention one factor that affects the pitch of sound produced by string instruments.
.....
7. How is a **cobweb** important to a spider?
.....

The diagram below shows a beam of light use it to answer question number



8. Name the type of beam shown above?
.....

9. Which term is used to mean the vertical arrangement of soil layers?

.....
10. How is BCG vaccine similar to DPT vaccine in the way they are administered?

.....
11. Identify the sense organs Janet a cook at Karungu primary schools uses to know that salt is missing in food.

.....
12. Why is a bee regarded as a true insect?

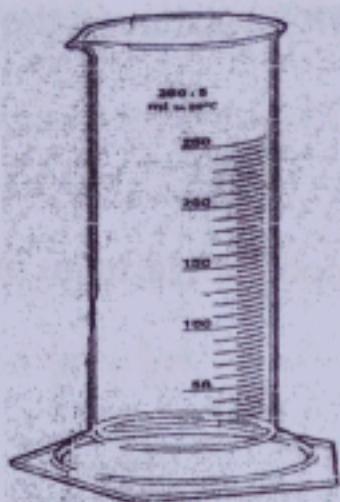
.....
13. Identify the organ protected by the backbone.

.....
14. Suggest one way of saving firewood at home.

.....
15. What is the gestation period of a nanny goat?

.....
16. Why are farmers advised to keep metallic garden tools inside stores after use?

The diagram below shows an instrument used in measurements. Study it carefully and answer question No. 17



17. How is the above instrument useful in measurements?

.....
18. "Air exerts pressure" is a property of air. How is this property important to people in the community?

.....
19. State the reason why a wheel barrow is regarded as a second-class lever.

.....
20. How does mulching help to keep water in the soil?

.....
21. Identify one plant propagated by means of suckers.

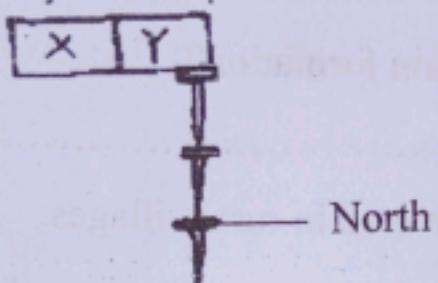
.....
22. During the process of making ORS, which solute is added to provide energy to the patient?

.....
23. What term is used to mean the young one of a sheep?

.....
24. In which way does smoking help to preserve meat at home?

25. State one importance of recorded sound.

The diagram below shows a method of making temporary magnets. Use it to answer questions 26 and 27.



26. Name the method shown in the diagram above.

27. Identify the pole Y.

28. Write down one activity done to promote oral hygiene.

29. What do you understand by the form food chain?

30. Give a reason why beans are grouped under leguminous crops.

31. Name the chamber of the heart which pumps deoxygenated blood to the lungs.

32. Give **one** reason why farmers like keeping local breeds of fowls more than exotic ones?

33. Yeast and mushrooms are examples of fungi. How do they differ in terms of reproduction?

34. How does prolonged breast feeding help in child spacing?

35. In which way is the sun important in rain formation?

36. Which form of wood fuel is commonly used in rural villages.

37. Write down one PIASCY message.

38. Which enzyme in the stomach helps to clot milk in babies?

39. Mention the system of roots found in the maize plants.

40. Name the excretory organ that removes carbon dioxide from the body.

SECTION B

41. The table below shows parts of a lens camera in A and parts of a human eye in B.

Match list A and B correctly.

A	B
Shutter	pupil
Diaphragm	Retina
Aperture	Iris
Film	Eyelids

A correct order.

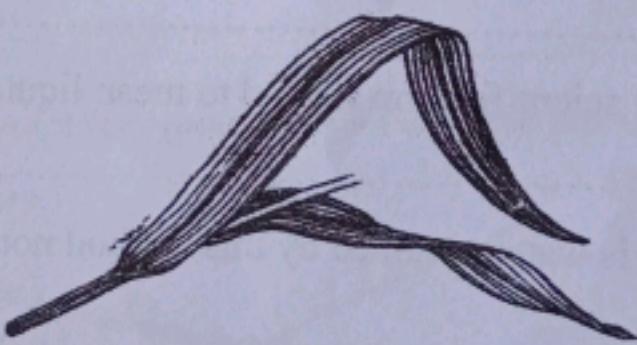
- (i) Shutter
- (ii) Diaphragm
- (iii) Aperture
- (iv) Film

42. The diagrams below show types of leaf venation.

A



B



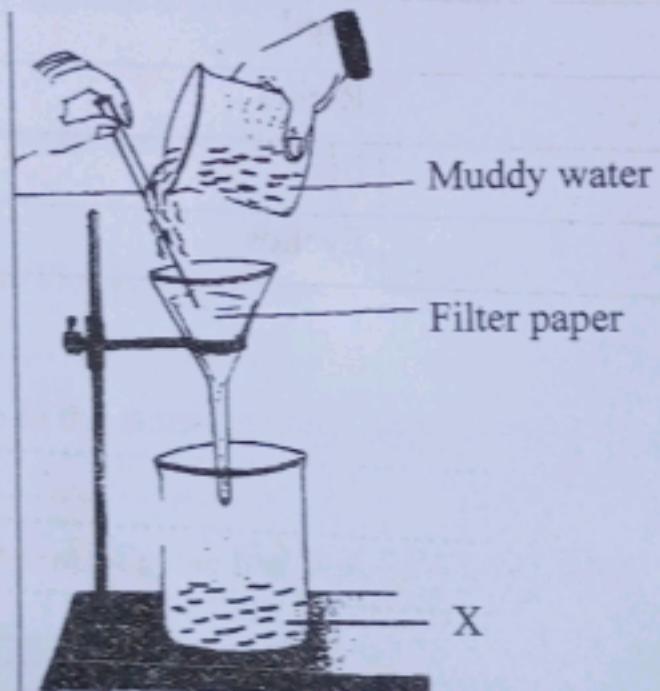
(a) Name the type of venation

- (i) A
- (ii) B

(b) Identify one plant with leaf venation B.

(c) which group of flowering plants have venation A.

43. The diagram below shows how clean water can be obtained from muddy water.



(a) Name the method of obtaining clean water shown above.

(b) What scientific term is used to mean liquid X.

(c) Why is water obtained by this method not good for drinking?

(d) Suggest one way how water obtained by the above method can be made safe for drinking.

44.(a) Identify the deficiency disease caused by lack of vitamin B1 in the body.

.....

(b) Mention one example of a mineral deficiency disease you know.

.....

(c) Write down two food stuffs that can help to prevent kwashiorkor in children.

(i)

(ii)

(45) In four short sentences, explain how you would obtain salt once mixed with sand.

(i)

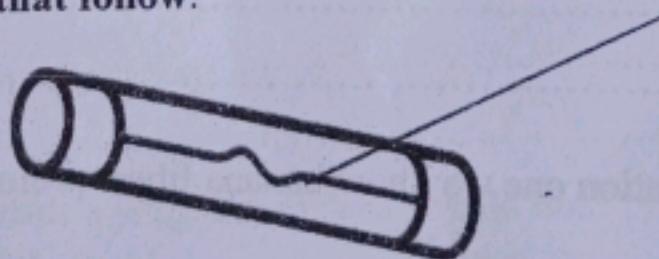
(ii)

(iii)

(iv)

(46) The diagram below shows a component of an electric circuit. Use it to answer questions that follow.

Thin wire



a) Name the component of the circuit above.

.....

b) Why is the above device made with the thin wire?

.....

c) Mention other two components of a circuit a part from the above.

- (i)
- (ii)

47.(a) Name the type of tooth that is sharp and pointed.

.....
(b). Mention any two other types of teeth apart from the one mentioned
above.

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

(c). Which part of the human teeth contains nerve endings?

48.(a). How does mouth to mouth breathing help to save the life of a Victim
of near drowning.

.....
(b). Suggest two ways of preventing near drowning at school.

.....
(c). Mention one accident that can occur at school apart from near drowning.

49.(a) Identify any two local items made out of banana fibers.

- (i)
- (ii)

.....
(b). Mention one way how banana fibers promote games of pupils at
school.

(c). write one another example of fiber got from plants.

.....

50.(a) Identify one example a voluntary muscle in human body.

.....

(b) which body organ contains cardiac muscles.

.....

(c). Mention two functions of muscles in the body.

(i)

(ii)

51.(a) What do you understand by the term Primary Health Care?

.....

(b) Identify the element of PHC promoted through;

(i) Bathing regularly

(ii) Proper use of latrines

(c) Identify one disease prevented through draining stagnant water around homes.

.....

52.(a) Where does conception take place in human beings.

.....

(b) Mention two signs of pregnancy in women.

(i)

(ii)

(c) Give one health practice a pregnant mother should do.

.....

53.(a) State the major role of the kidney in the human body.

.....

(b) which part of the kidney re-absorbs water and glucose.

.....

(c) Write down two diseases of the kidney.

- (i)
- (ii)

54. Below is a list of animals. Use it to answer questions that follow..

Cat monkey bat duckbilled platypus.

(a) State one similarity common to all animals in the list.

.....

(b) How is the duck billed platypus different from other animals in the list.

.....

(c) Mention two other animals that can be grouped together with a monkey.

- (i) (ii)

55. (a) The normal temperature of John raised by 30°C . What was his new temperature in Fahrenheit scale?

(b) Name another scale used to measure temperature apart from Fahrenheit scale.

.....

SUCCESS