

KCCA PRIMARY SCHOOLS EXAMINATIONS COMMITTEE
PRIMARY SIX END OF TERM I EXAMINATIONS 2023
INTEGRATED SCIENCE



TIME ALLOWED: 2 HOURS 15 MINUTES

PUPIL'S NAME: _____

SCHOOL: _____

DIVISION: _____

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. Answer ALL questions in both sections **A** and **B**
5. ALL answers **MUST** be written in Blue or Black
Ball - point pen or ink
6. Un-necessary alteration of work may lead to
loss of marks.
7. All diagrams **MUST** be drawn in pencils.
8. Any handwriting that cannot be easily read may
lead to loss of marks.
9. Do **not** fill any thing in the boxes shown

"For Examiner's use only".

**FOR EXAMINER'S USE
ONLY**

QN. NO.	MARKS	SIGN
1 - 10		
11 - 20		
21 - 40		
41 - 45		
46 - 50		
51 - 55		
TOTAL		

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TURN OVER

SECTION A

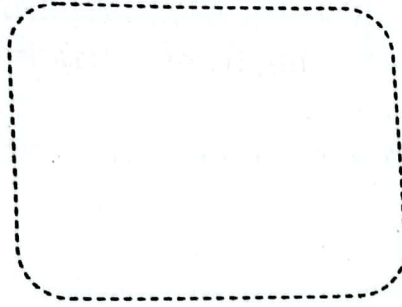
1. Name any **one** example of a flying mammal.
.....
2. How is the keeping of fish in a pond useful in the control of malaria in a community?
.....
3. Which component of soil takes the highest percentage?
.....
4. Apart from polio vaccine, name one other vaccine administered to babies at birth.
.....
5. Why is carbon dioxide gas used in fire extinguishers?
.....
6. Give **one** way of maintaining proper sanitation in a classroom.
.....

The diagram below is a beak of a bird. Use it to answer questions 7 and 8.

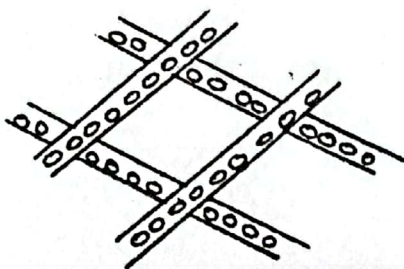


7. Which group of birds have the beak shown above?
.....
8. How is the bird with such a beak adapted to its mode of feeding?
.....
9. State **one** way of controlling tooth decay?
.....
10. Give **one** use of soap in the promotion of personal hygiene.
.....
11. What is the function of a kink/bend found on a clinical thermometer?
.....
12. Of what importance are feathers to birds?
.....
13. Identify any **one** advantage of a modern beehive over a traditional bee hive.
.....

14. State any **one** danger of some insects to people.
.....
15. Give **one** characteristic in flowers that attracts insects pollinators.
.....
16. Why should your school have a hand washing facility?
.....
17. Give the importance of giving ORS to a person suffering from diarrhoea.
.....
18. **In the space below, draw a percussion musical instrument.**



19. Apart from bananas, give **one** other crop propagated by use of suckers.
.....
20. How can poultry farmers improve on their local breeds of poultry?
.....
21. Why is a pen called matter?
.....
22. Write down **one** PIASCY message in your school compound.
.....
23. Why do earthworms come out of the soil shortly after it has rained?
.....
24. Name the body sense that enables you to tell that water is hot.
.....
25. Write down **one** principle of P.H.C.
.....
26. Name the amphibian that lays eggs shown below.



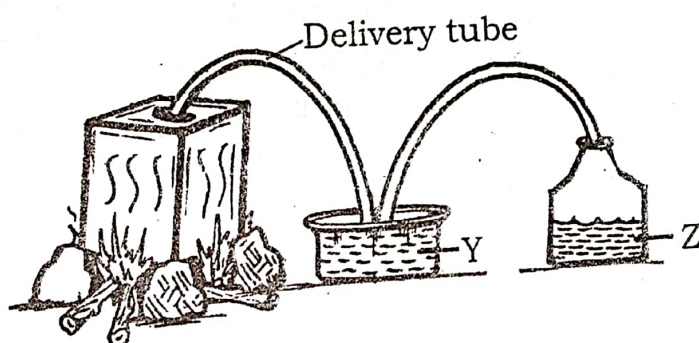
27. Give any one structural difference between an artery and a vein.
.....
.....
28. Why do some people keep cats in their homes?
.....
.....
29. Name any one non-communicable disease in humans.
.....
.....
30. Which weather condition do mothers need to dry their clothes?
.....
.....
31. In which one way can breast feeding be of a disadvantage to a mother?
.....
.....
32. How useful are scavenger birds in our environment?
.....
.....
33. Give one medical use of alcohol.
.....
.....
34. Identify any one sign of snuffles in rabbits.
.....
.....
35. Which condition in babies is characterized by a sunken soft spot (fontanel)?
.....
.....
36. Mention any one living thing involved in the 4Fs.
.....
.....
37. How can Fresh Kid the musician increase the pitch of a guitar?
.....
.....
38. Name any one information found on a child health card.
.....
.....
39. Why are fungi unable to make their own food?
.....
.....
40. Name any one vaccine used in the prevention of Covid-19.
.....
.....

SECTION B
Below is a list of animals. Use it to answer the questions that follow.

A	B	C
Man Lion Goat Seal	Duck Eagle Parrot Chicken	Fish Frog Lizard

- What do all the above animals have in common?
- Give one way how organisms in list B are similar to those in list C.
- How is the lion in list A similar to an eagle in list B?
- Name any one animal that you can add to list C.

12. The diagram below is a method of preparing alcohol. Use it to answer questions that follow.



- Name the method shown above?
 - State the use of cold water at Y.
 - Why is the delivery tube coiled?
 - What do we call substance collected at Z?
13. a) What is **Primary Health Care**?
- b) Give two elements of P.H.C.
- i) ii)

- c) Which element of PHC is promoted when we give children a balanced diet?
44. a) What is the gestation period of a sow?
- b) Give one product farmers obtain from pigs.
- c) Identify any **two** examples of exotic breeds of pigs.
- i) ii)
45. a) Why is a pregnant woman regarded as a vulnerable person?
- b) Apart from pregnant women, mention any **two** other groups of vulnerable people.
- i) ii)
- c) Why should pregnant women be given foods rich in proteins?

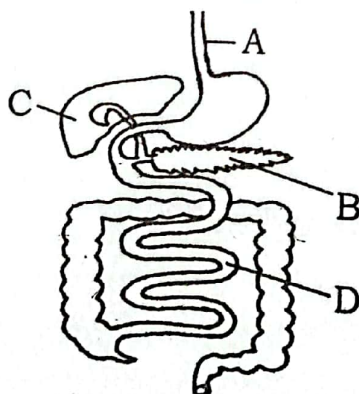
46. **Match items in A with those in B correctly.**

- A**
- a) Night blindness
- b) Beriberi
- c) Scurvy
- d) Rickets

- B**
- Vitamin C
- Vitamin D
- Vitamin A
- Vitamin B1

- a) Night blindness
- b) Beriberi
- c) Scurvy
- d) Rickets

47. **The diagram below shows the human digestive system. Use it to answer questions that follow.**



a) Name parts **A** and **B**.

- i) **A** ii) **B**

b) State the function of part **C**.

c) What important process takes place at part **D**?

48. a) What do you understand by each of the following terms as used in sound energy

i) An echo:

ii) Pitch of sound:

b) How are curtains hung in theatres able to control echoes?

c) Mention one factor that can affect the pitch of sound.

49. a) What is a **crop pest**?

b) Name one pest that attacks stored beans.

c) How does crop rotation help to control pests in the garden?

d) Mention one effect of pests to crops.

50. a) Apart from hearing, state any other function of the mammalian ear.

b) What general name is given to the three bones found in the middle ear?

c) Name one disorder of the ear.

d) How can one take care of his/her ear?

51. a) What is **soil erosion**?

b) Name two types of erosion.

i) ii)

c) How can soil erosion be controlled in your school compound?

52. a) How is heat different from temperature?

.....
.....

b) Identify any **one** effect of heat on matter.

.....

c) How does heat travel through each of the following;

i) Solids

ii) Gases

53. a) What is **an apiary**?

.....

b) Mention **two** factors to consider when siting an apiary.

i)

ii)

c) Of what use is a knife to someone harvesting honey?

.....

54. a) State any **one** component of blood.

.....

b) Name any **one** substance transported by the circulatory system.

.....

c) Why is blood first pumped to the lungs before going to the rest of the body parts?

.....

d) Of what use are valves in the heart?

.....

55. a) What is **mulching**?

.....

.....

b) Mention any **one** material used as mulches.

.....

c) Give **two** reasons why farmer are encouraged to mulch their gardens.

i)

ii)

GOOD LUCK