

# KAMPALA PRIMARY SCHOOLS' SKYLINE ASSESSMENT

PRIMARY SIX (P.6) – 2023

MID – 3<sup>RD</sup> TERM

INTEGRATED SCIENCE AND HEALTH EDUCATION

TIME ALLOWED: 2 HOURS 15 MINUTES

DATE: \_\_\_\_\_

NAME: \_\_\_\_\_

SCHOOL: \_\_\_\_\_

DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. The paper is made of section A and B.
2. Section A has 40 short 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 spaces provided.
5. All answers must be written in blue or black ball-point pen or ink. Only diagrams and graphs work may be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.

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| SECTION      | EXRS. MARKS | T/L MARKS | OFFICE |
|--------------|-------------|-----------|--------|
| <b>A</b>     |             |           |        |
| <b>B</b>     |             |           |        |
| <b>TOTAL</b> |             |           |        |

## SECTION A

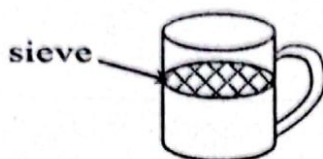
1. How best can parents control kwashiorkor among their infants?

2. Name the insect that pollinates flowers at night.

3. What first aid can one give to a P.6 pupil that has fever?

4. Mention the chemical substance that speeds up the digestion of food.

The diagram below shows dairy farm equipment. Use it to answer question 5.



5. Identify the dairy equipment shown.

6. Name a sterile bee found in a bee-hive.

7. Give the most useful product of respiration needed by our bodies.

8. What are vertebrates?

9. What type of fertilization do fish and amphibians have?

10. How can parents help a three year old boy who is dehydrated?

11. How can one prevent animal skins from rotting after skinning?

12. Give any one effect of heat on matter.

13. How is chlorophyll useful to plants during photosynthesis?

14. Give the difference between a burn and a scald.

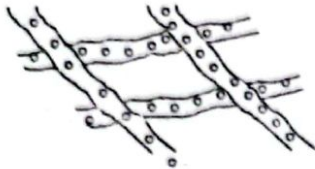
15. In which way is a screen useful when put on top of a vent pipe?



16. Which rabbit disease affects also poultry?

17. What method of grazing cattle is whereby pasture and water is provided to them in a well-constructed structure?

The diagram below shows an amphibian's eggs. Use it to answer question 18.



18. Name the amphibian that produces the shown eggs.

19. Give any one animal fibre used in textile industries.

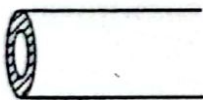
20. Which method is used to produce alcohol with less concentration?

21. Give one example of a wind instrument.

22. Cite the method of controlling mosquitoes in a pond / aquarium whereby fish is introduced.

23. Why is copper referred to as a non-renewable resource?

Study the diagram below and use it to answer question 24.



24. Identify the blood vessel drawn.

25. How are passengers in motor boats helped to prevent deaths in case a boat capsizes?

26. Which organism helps in the process of fermentation of alcohol?

27. Why is the left side of the heart thick walled?

28. How are echoes reduced in cinema halls?

29. Why do deciduous trees shed off their leaves towards the dry season?

30. What is the advantage of wearing shoes before walking in wet areas?

31. Mention the disease that causes abortion in gestating cows.

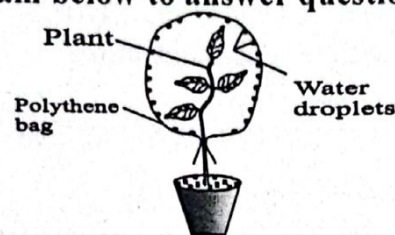
32. In which way is air a useful energy resource to man?

33. Give the importance of testes (testicles) to man.

34. How does breastfeeding improve one baby's immunity?

35. By what process does dissolved oxygen join blood stream in the air sacs (alveoli)?

Use the diagram below to answer question 36.



36. What does the experiment above illustrate about plants?

37. Besides producing ova, give another function of the ovaries.

38. What are vaccines?

39. When is a person said to be drowned?

40. By what process can salt be obtained from salty water?

## SECTION B

41. (a) Give two examples of sea mammals.

(i) .....

(ii) .....

(b) Mention the substance that keeps sea mammals warm in cold seas.

(c) Which basic characteristic qualifies sea mammals (cetaceans) to be grouped as mammals?



Study the table below and use it to answer questions that follow.

| List A  | List B   | List C   | List D    |
|---------|----------|----------|-----------|
| Hen     | Kangaroo | Gecko    | Moths     |
| Kite    | Monkey   | Tortoise | Housefly  |
| Vulture | Man      | Lizard   | Rickets   |
| Ostrich | Rat      | Snake    | Cockroach |

42.(a) What enables gecko in group C to be able to walk upside down on the ceiling?

(b) Why are animals in group C said to be cold blooded?

(c) To which group of invertebrates do animals in List A belong?

(d) What type of fertilization do animals in List B undergo?

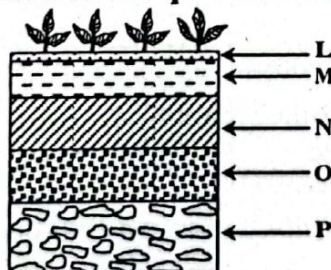
43. (a) What is rehydration?

(b) Mention two solutes used in the making of local ORS.

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

(c) Why is the solvent "water" said to be a universal solvent?

Use the diagram below to answer the questions that follow.



44.(a) What is described as a soil profile?

(b) Name layer P.

(c) Why is layer M suitable for crop growing?

(d) Give one inorganic component of soil.

45.(a) Why do farmers keep breeds of goats?

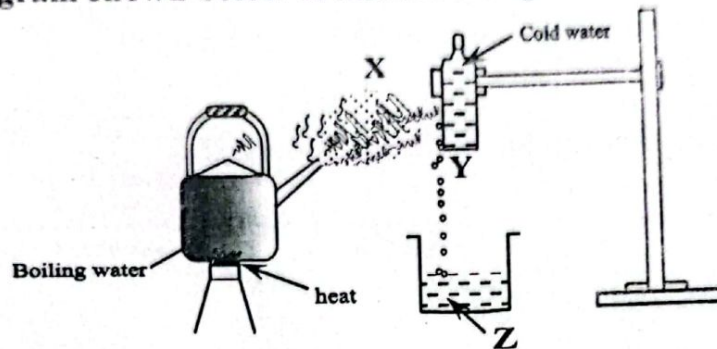
(b) Name the two main dairy breeds of goats.

(i) .....

(ii) .....

(c) Mention any **one** way farmers care for goats.

Use the diagram shown below to answer the questions that follow.



46.(a) Name the two physical processes X and Y.

X .....

Y .....

(b) By what process does heat reach the bottom of the kettle?

(c) State the disadvantage of taking water obtained at Z.

47.(a) Why do some plants climb other plants?

(b) Give two structures (ways) in which creeping plants are able to climb upright plants.

(i) .....

(ii) .....

(c) Name **one** example of a creeping plant.

48.(a) Why is clay soil suitable for pottery?

(b) Mention the type of soil that has moderate water retention.



(c) Give **two** ways in which soil is formed.

(i) .....

(ii) .....

49. (a) Give **one** word to mean:

(i) The highness or lowness of sound: .....

(ii) The number of vibrations an object produces per second: .....

(iii) The loudness or softness of sound: .....

(b) What is an echo?

.....

50. Match the birds to the group they belong.

| Bird    | Group it belongs |
|---------|------------------|
| Duck    | bird of prey     |
| Kite    | wading birds     |
| Hen     | flightless birds |
| Penguin | swimming birds   |

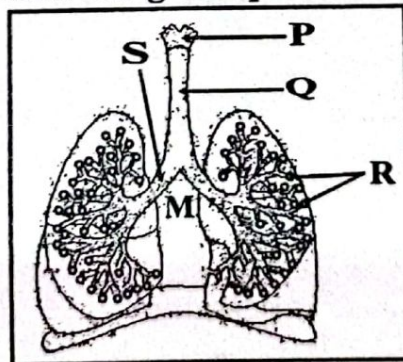
(i) Duck: .....

(ii) Kite: .....

(iii) Hen: .....

(iv) Penguin: .....

Use the diagram below for answering the questions that follow.



51. (a) Mention the body system the organ above belongs to.

.....

(b) Name the part marked P.

.....

(c) By what process does oxygen join the blood stream at R?

.....

(d) Identify the body organ represented by letter M?

.....

52.(a) What is swarming in bee keeping?

(b) State two reasons why bees swarm.

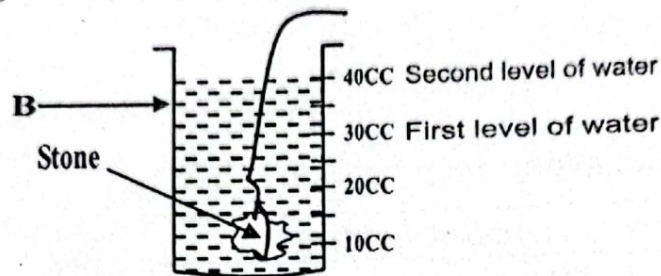
(i) .....

(ii) .....

(c) What food value does one gain after taking honey?

.....

Use the diagram given for answering the questions that follow.



53.(a) What is the capacity of the measuring cylinder above?

.....

(b) Workout the volume of the irregular object.

(2 marks)

(c) If density of the object is 10gm/cc, work out its mass.

54.(a) Name the most watery component of blood.

.....

(b) State two differences red blood cells and white blood cells have.

(i) .....

(ii) .....

(c) Which hereditary blood disease is described as delayed clotting?

.....

55.(a) What is meant by the term "near drowning"?

.....

(b) Give any two places where children may get drowned at home.

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

(c) Mention any one help you can give to a near drowned child.