

# KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

P.L.E – 2024

Set 03

## INTEGRATED SCIENCE AND HEALTH EDUCATION

Time Allowed: 2 hours 15 minutes

Index No.

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Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

District Name:.....

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

Read the following instructions carefully;

1. The paper has two Sections: 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 Sections A and B must be written in the spaces provided.
5. All answers must be written using 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.
8. Do not fill anything in the boxes indicated for examiners' use only.

FOR  
EXAMINERS'  
USE ONLY

FOR EXAMINERS' USE ONLY		
Qn. No.	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

**SECTION A**

1. Give any one use of a hoe at home.

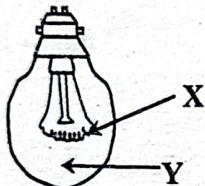
.....  
2. In which way is a pinna useful to animals?

.....  
3. What is usually described as hard water?

.....  
4. State one way wind can be useful to some plants.

.....  
5. When do we say that an animal has had conception?

**Study the diagram below and use it to answer question 6.**



6. Name part marked X of an electric bulb at the side.

.....  
7. Give one example of a natural source of light.

.....  
8. Name the smallest bone in the body.

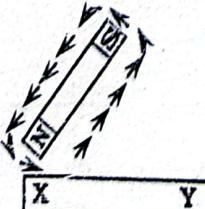
.....  
9. Why should every homestead need to have a woodlot?

.....  
10. What is described as artificial immunity?

.....  
11. Give the active organism in the spread of germs that cause diarrhoeal diseases.

.....  
12. When does the casualty have to use a tourniquet?

**Study the diagram below and use it to answer question 13.**



13. Name the method used for making the magnet.

.....  
14. Give one example of a natural magnet.

15. How can hyenas, vultures and marabou storks be useful in some environments?

.....  
16. Mention one disease spread by ticks to cattle.

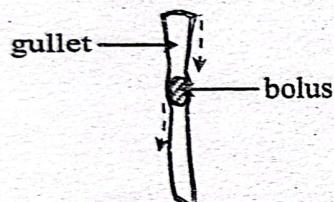
.....  
17. Why is soil erosion very common in hilly areas?

.....  
18. Cite one way recycling of old plastics and metals can benefit the community or country.

.....  
19. Which eye defect can be corrected by using a converging lens?

.....  
20. Give the biological means of controlling mosquitoes in a pond near a homestead.

.....  
**Use the diagram of a section of the alimentary canal to answer question 21.**



.....  
21. Name the process shown in the alimentary canal of man.

.....  
22. Give any one reason for constructing a weather station in an open area.

.....  
23. Why are the nests of layer birds usually placed in darker areas?

.....  
24. State one similarity between sound and light.

.....  
25. In which way can the involvement of candidates in Young Farmers Club be of importance to them?

.....  
26. Why is clay soil very important to people carrying out pottery?

.....  
27. Okecho has a radio that uses five dry cells. Calculate the voltage of Okecho's radio in the space below.

.....  
28. When does a cattle farmer have to use a strip cup?

29. Which STD is spread by Gonococcus bacteria germ?

.....  
30. Give one example of a wind instrument.

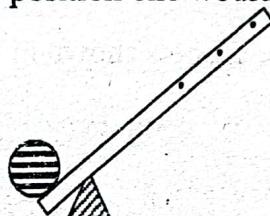
.....  
31. What causes high blood pressure to tobacco smokers?

.....  
32. Identify one device that can be used for reproducing recorded sound.

.....  
33. State one way seed dispersal is important in the environment.

.....  
34. Name the energy resource that is used in the production of atomic or nuclear energy.

.....  
35. Show with letter (E) the position one would move the heavy load easily.



.....  
36. Who is an HIV/AIDS negative person?

.....  
37. Mention the plant that has breathing roots.

.....  
38. What practice in personal hygiene prevents body smell?

.....  
39. Give the role of the venacava in the human heart.

.....  
40. Which important nutrient is most necessary for proper growth of teeth and bones?

## SECTION B

.....  
41.a) Give one type of poultry.

.....  
b) State how one can obtain a hybrid.

.....  
c) Give one difference between a cock and a hen.

d) Of what use are perches in a poultry house?

.....

42.a) What is pollution?

.....

b) Give any one pollutant to;

(i) Water: .....

(ii) Air: .....

c) State the advantage of planting trees near an industry.

.....

43.a) What is STI in full?

.....

b) State two ways a P.7 candidate can prevent himself/herself from HIV/AIDS.

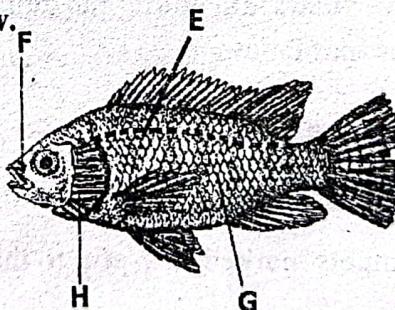
(i) .....

(ii) .....

c) Mention **one** disorder to the reproductive system of a woman.

.....

The diagram below shows the external and some internal parts of a fish. Use it for answering questions that follow.



44.a) Name parts marked **H** and **E**.

(i) E .....

(ii) H .....

b) How are parts marked **G** useful to a fish?

.....

c) State **one** way in which it is adapted to living in water as its habitat.

.....

45.(a) What is personal hygiene?

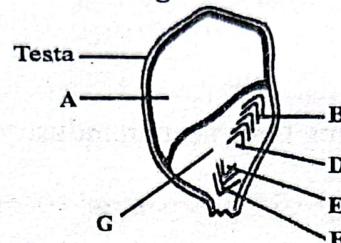
.....

b) Give one disease to the skin caused by fungus.

c) How can one prevent diarrhoeal diseases at home?

d) Why are detergents used while cleaning toilets and bathrooms?

The diagram below is of a maize grain. Use it and answer questions that follow,



46.a) Name part marked B.

b) How is the testa useful to the grain?

c) What does the part labeled D become during germination?

d) Give the importance of part marked A.

The diagram below shows an adult mosquito and its larva. Study and use it for answering questions that follow.



47.a) How are the trumpets marked X useful to the larva?

b) Name the type of mosquito given above.

c) What disease germs does the above mosquito spread?

d) Give one way we can avoid the breeding places of such a mosquito in our homesteads.

48.a) Mention any two factors that usually affect food production in our communities.

(i) .....

(ii) .....

b) What do you suggest may happen to the community that has a poor harvest of food?

c) How have some people in their communities tried to grow crops even when rainfall doesn't occur?

49. a) Identify any two components of blood.

(i) .....

(ii) .....

b) Give one role of the components you have given to our bodies.

c) Name one deficiency blood disease.

50. a) Give two characteristics common in all insects.

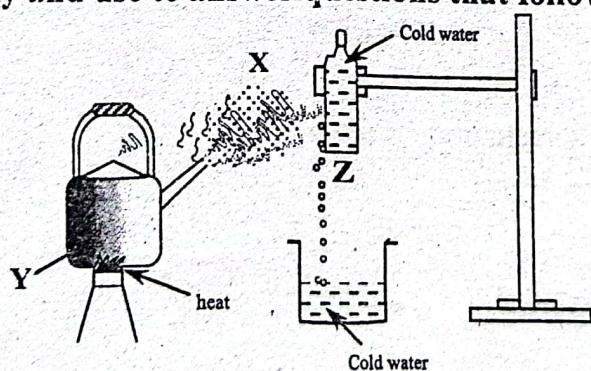
(i) .....

(ii) .....

b) What does an earthworm use for breathing?

c) Name any one edible insect in your community.

Below is a diagram showing an experiment that was carried out in a P.4 class. Study it carefully and use to answer questions that follow



51. a) What is the experiment about?

b) Identify the process taking place at points marked with letters Z and Y.

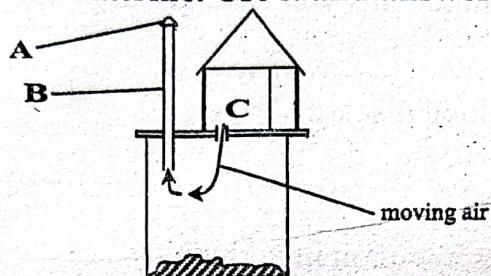
Z .....

Y .....

c) How is a charcoal stove important in the given process?

52. a) What is dehydration? .....
- b) Give two signs a dehydrated person may have.
- (i) .....
- (ii) .....
- c) Why is ORS usually given to a dehydrated infant?
- .....

The diagram below is of a latrine. Use it and answer questions that follow,



53. a) Identify the type of latrine shown in the diagram.
- .....

- b) How is part A useful to such a latrine?
- .....
- c) How far should such a latrine be constructed from a living house?
- .....
- d) Give a reason why such a latrine should not have a lid (cover).
- .....

54. a) Name the type of skeleton a sheep has.
- .....

- b) Give two uses of a skeleton to humans
- (i) .....
- (ii) .....
- c) How are ligaments useful in a joint?
- .....

55. a) Name the main organ of respiration.
- .....

- b) Where does gaseous exchange take place?
- .....
- c) Identify one immunizable disease that affects the respiratory system.
- .....
- d) Give one sign victim of tuberculosis may have.
- .....