

# KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

## Pre-MOCK – 2023

3

### 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. How is a skeleton important to the human body?  
.....
2. Mention one way fats and oils are important to our bodies.  
.....
3. How is the use of natural fertilizers important in a crop garden?  
.....
4. Give one way of preventing garden tools from rusting.  
.....
5. Identify the longest bone in our bodies.  
.....
6. What is a weed?  
.....  
.....

Study the diagram below and use it to answer question 7.



7. Why is space P left in the soda bottle?  
.....  
.....

8. Which form of energy stimulates hearing?  
.....
9. Why should all infants need to be administered BCG vaccine?  
.....
10. How can early pregnancy be a danger to a P.7 girl?  
.....
11. Why does a pit latrine stop smelling after smoking?  
.....
12. Which term describes the response of plant roots towards gravity?  
.....
13. Mention the soil content which is conserved by mulching.  
.....
14. Who is a near drowned person?  
.....
15. Which element of PHC is promoted through vaccination of pregnant mothers, babies and children under 5 years?  
.....

16. Why do rose flowers produce scent at night?

17. State one role of a worker bee in a hive.

Study the diagram below and use it to answer question 18.



18. How useful are the substances produced at K to a plant?

19. Which living organism helps during fermentation of glucose into alcohol?

20. State the form of energy possessed by a P.7 boy who is running.

21. Why do poultry farmers put litter on floors of poultry houses?

Study the diagram below and use it to answer question 22.



22. Name the lens shown at the side.

23. Name one example of exotic beef breed of cattle.

24. Which disorder to the digestive system leads one to have difficulty to push out faeces because it is hard and dry?

25. State the difference in feeding between a frog and a tadpole.

26. What are the multipurpose trees in agro-forestry?

27. Give a reason why decanted water is not suitable for drinking.

28. In which equipment are atoms of uranium broken down?

29. Why are most electric cables insulated?

30. How does amoeba reproduce?

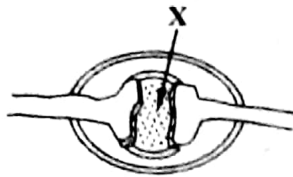
31. What is "pitch" in sound?

32. Give one way the skin is useful to us.

33. What germ causes Trichomoniasis (STD)?

34. Mention the reason why fuel-saving stoves are made of clay.

Study the diagram below and use it to answer question 35.



35. Of what importance is substance at X in the joint?

36. A stone of mass 40g was immersed in water and it displaced water equal to 20cc.  
What is the volume of the stone?

37. Which electrolyte can be used in simple cells (wet cells)?

38. In which way is a compass needle important to a captain in the Atlantic Ocean?

39. Mention one way the government of Uganda has tried to preserve or conserve endangered species of wild animals.

40. Why is a kangaroo regarded as a mammal?

## SECTION B

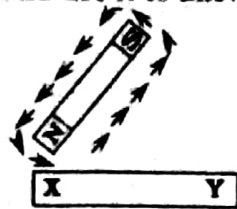
41. a) How can people who keep cattle try to improve the quality of their local breeds?

b) Identify one exotic breed of cattle.

c) What is **Ranching**?

d) Mention one viral disease that affects cattle.

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



42. a) What force exists in some magnetic materials enabling them to pull magnetic materials?

b) Name the method shown above used for producing temporal magnets.

c) Identify pole marked Y.

d) Mention any other method used for producing a temporal magnet.

43. a) Give the function of the following parts to a mushroom:

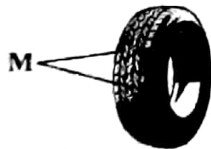
(i) gills:

(ii) mycelium:

b) In which way is a mushroom different from a maize plant?

c) Which food value does one obtain after eating mushrooms?

Use the diagram below to answer the questions that follow.



44. a) In which way can friction be a nuisance to a carpenter?

b) How are parts marked M useful to a vehicle driver?

c) How do mechanics try to reduce friction in moving parts of vehicles?

d) Mention any one use of friction to a child in class.

45. a) What is a fever?

b) State any **one** cause of a fever.

c) What first aid can be given to a victim of a fever?

d) Mention any **one** effect of fever to an infant.

46. a) Give **two** organisms that can cause dysentery.

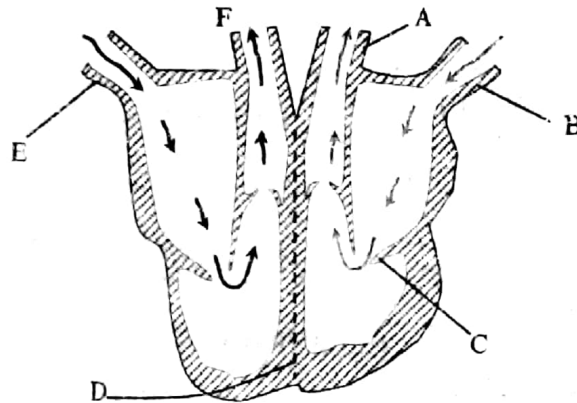
(i) .....

(ii) .....

b) Mention any **one** effect of excessive diarrhoea to a patient.

c) State the importance of giving ORS to a dehydrated person.

Use the cross-section through the human heart to answer the questions that follow.



47. a) Identify the parts marked:

D .....

C .....

b) State the similarity in blood vessel **A** and blood vessel **B** have.

c) Mention one disease that affects the organ above.

48. a) What is weaning?

b) At what age should mothers wean their babies?

c) Which mineral salt is lacking in milk?

d) Give the disease that affects children when they don't take adequate carbohydrates.

In the diagram below, porridge was put in two cups and placed on a table.  
Use the diagram to answer the questions that follow.



49. a) In which of the two cups will the porridge cool faster?

b) Give a reason for your answer in (a) above.

c) How does heat from cup A reach the table top?

d) Why does porridge in cup B take longer to cool?

50. a) Give two conditions needed for photosynthesis to take place.

(i) .....

(ii) .....

b) What by product is given out during photosynthesis as a gas?

c) Why can't photosynthesis in green plants take place at night?

51. Fill in the missing information about some of the parts of a fish and their respective functions.

Parts (A)	Functions (B)
Operculum	.....
.....	Steers the fish during propulsion.
Scales and mucus	.....
.....	Detects vibrations in water.

52. a) What is First Aid?

b) Give two reasons for providing First Aid to victims of accidents.

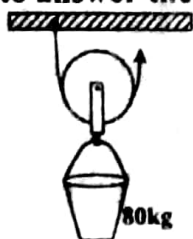
(i) .....

(ii) .....

c) What First Aid can be given to a victim of convulsions?

.....

Use the diagram below to answer the questions that follow.



53. a) Identify the simple machine shown above.

.....

b) Work out the effort needed to move the load given.

c) Mention the class of lever that behaves like the simple machine given.

.....

d) Why is a hoe said to be a simple machine?

.....

54. a) State any two biological changes in living organisms.

(i) .....

(ii) .....

b) Where does conception take place in female adults?

.....

c) Name any one type of twins.

.....

55. a) Give one way we can care for trees.

.....

b) State two reasons why people these days plant multipurpose trees.

(i) .....

(ii) .....

c) How do trees help to modify climate?

.....