

KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

Pre-MOCK – 2024

2

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.

FOR
EXAMINERS'
USE ONLY

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.

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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. Name the instrument used for measuring the temperature of patients.

.....

2. What type of joint is the ankle joint?

.....

3. State a reason given for boiling water for drinking.

.....

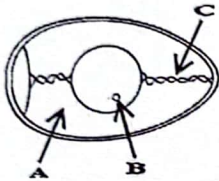
4. What makes the cacti to be able to withstand dry conditions in desert areas?

.....

5. Where does transpiration take place in man?

.....

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



6. Give the importance of part C to the embryo (germinal disc).

.....

.....

7. What does a mushroom use for breathing?

.....

8. How does a chameleon help itself to overcome enemies?

.....

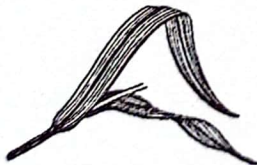
9. Mention the STD that causes blindness in babies?

.....

10. Identify the area in a muscular skeletal system where red blood cells are produced.

.....

Study the diagram below and use it to answer question 11.



11. Name the type of leaf venation shown at the side.

.....

.....

12. Mention the method used for measuring volume of irregular objects.

.....

13. How is proper sanitation important in a school?

.....

14. What causes diabetes to some people in Uganda?

.....

15. Give one example of a crop plant that stores its food in the roots.

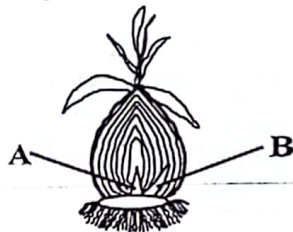
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16. What is an accident?

17. Why do deciduous trees shed off their leaves at the beginning of the dry season?

18. What is light?

Study the diagram below and use it to answer question 19.



19. Identify the part of the onion which may develop into a new plant if grown.

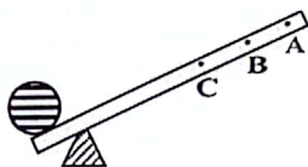
20. What usually makes the structure of the base soil?

21. Give the element of PHC that prevents the killer diseases in infants.

22. Why do some objects sink in water?

23. Name the state of matter where heat travels very fast.

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



24. At what position will the load be moved with least effort?

25. Which part of the human body has a similar function to the semi-circular canal?

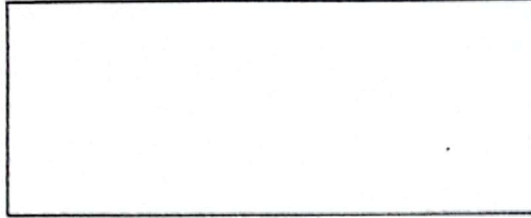
26. State the condition which enables the villi to carry out their function of absorbing soluble food.

27. Give one example of a non-renewable resource in the environment.

28. Which type of immunity is got by an infant after recovering from sickness?

29. State one way cattle farmers try to get rid of internal parasites from cattle.

30. In the space below draw the structure of a red blood cell.



31. What deficiency disease may result from lack of vitamin K in the diet?

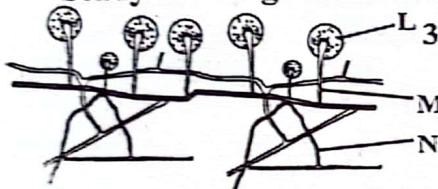
32. In which way can a wind sock be useful in an air strip?

33. Why do cold countries prefer using alcohol to mercury?

34. What are translucent materials?

35. Give one poultry disease caused by a virus.

Study the diagram below and use it to answer questions 36 and 37.



36. What name is given to the reproductive cells marked L?

37. What is the function of part marked N?

38. Identify one example of a wading bird.

39. When can a cattle farmer use a strip-cup?

40. Convert 86°F to $^{\circ}\text{C}$.

SECTION B

41.(a) Who is a vulnerable person?

(b) Give two examples of vulnerable persons.

(i) (ii)

(c) What is meant by a person being invalid?

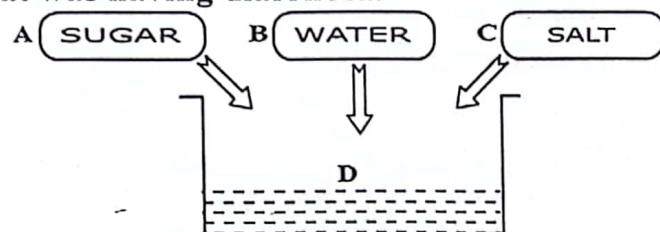
42.(a) Which body organ is responsible for excretion of sweat?

(b) Identify the part of the human skin that has living cells.

(c) Give **one** skin disease caused by a virus.

(d) What similar product is excreted by both the skin and kidneys?

The diagram below shows how a mother made a local treatment for her two year old that was having diarrhoea.



43.If the mother mixed substance A, B and C to form D:

(a) Name the substance at D.

(b) State the correct amount of water B.

(c) Which above substances is a solution?

(d) What is the difference between diarrhea and dysentery?

44.(a) What is a vaccine?

(b) Name **two** types of vaccines.

(i)

(ii)

(c) Identify **one** vaccine given to babies at birth.

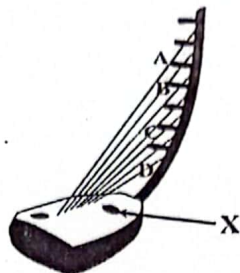
45.(a) Why should a carpenter have to take foodstuffs rich in carbohydrates?

(b) Name the type of energy that fast flowing water has.

(c) Give **one** traditional way people used to preserve meat.

(d) Mention **one** cereal crop which farmers preserve using sunlight energy.

Use the instrument below for answering questions that follow.



46. (a) Identify the group the musical instrument belongs to.

(b) Which of the labeled strings will produce the highest pitch?

(c) How can one make the musical instrument to produce sound?

(d) State the importance of hole X in the instrument.

47. (a) How does one get warmth during a cold day after wearing a sweater?

(b) Why can't insulators allow current to pass through them?

(c) Give **one** example of an insulator.

(d) How are conductors able to allow current to pass through them?

48. (a) State **two** ways creeping plants are able to climb upright plants.

(i)

(ii)

(b) Why do creeping plants climb upright plants? (Give two reasons)

(i)

(ii)

49. (a) Name the type of reproduction which takes place in flowering plants.

(b) How are yams propagated?

(c) Name the part of a flower that develops into seeds?

(d) Which part of a flower aids insect pollinators to reach a flower?

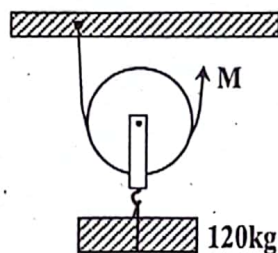
50. (a) Mention **one** way people smoke tobacco.

(b) How is an active smoker a danger to a passive smoker?

(c) What chemical substance in tobacco causes cancer?

(d) Give **one** example of poisonous alcohol.

Use the diagram below for answering questions that follow.



51. (a) Name the simple machine.

(b) Calculate the effort needed to move the load given.

(c) Mention the force that can affect the function of the machine.

(d) State **one** advantage of using such a simple machine.

52. (a) Give the **two** examples of water cleaned diseases.

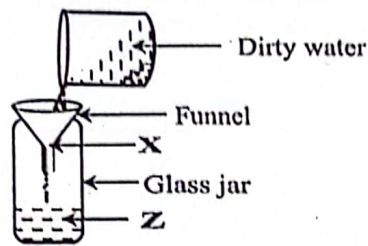
(i)

(ii)

(b) Why is bilharzia said to be a water habitat disease?

- (c) Give **one** chemical commonly used to kill germs in water before distribution in a pumping station.
-

Use the diagram below for answering questions that follow.



- 53.(a) Identify the process shown above of obtaining clean water.
-

- (b) Name part marked **X** used to filter the water.
-

- (c) Which scientific name is given to substance at **Z**?
-

- (d) Why can't such water be used for drinking?
-

- 54.(a) How are clouds formed?
-

- (b) Name the force that enables rains drops to fall down to earth.
-

- (c) Mention the energy required for evaporation to take place?
-

- (d) What is sublimation?
-

- 55.Match the items in List E with those in List F correctly.

LIST E	LIST F
Gap filling	Growing of different crops on same piece of land seasonally.
Crop rotation	Washing down of plant nutrients deep into soil.
Hardening off	Replacing of holes the seed did not germinate with seedlings
Leaching	Exposure of seedlings to harsh weather conditions.

- (a) Gap filling:

- (b) Crop rotation:

- (c) Hardening off:

- (d) Leaching: