

KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

P.L.E Preparation – 2023

Set 01

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;

FOR
EXAMINERS'
USE ONLY

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

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 artificial source of sound.

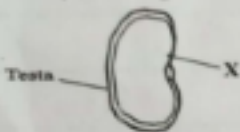
2. Why do we use soap while bathing?

3. Give one example of a communicable disease.

4. Why do plants growing in the shade appear weaker?

5. Give any one type of cattle kept in Uganda.

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



6. State the importance of part X during germination.

7. Why is a tsetse fly called an invertebrate?

8. Which human body organ tries to neutralize poisonous substances in the body?

9. When does one use splints while administering first aid?

10. How can the presence of Aedes mosquitoes be a danger to the community?

11. What makes plants growing under the tree shade appear taller and weaker?

12. Mention the class of food that starts its digestion in the stomach.

13. How is mulching important in a crop garden?

14. What does a grasshopper use for feeding?

15. How are PIASCY messages important to Primary Seven pupils?

16. What are sex-deviations?

17. Why is glucose given to football players especially in the second half of the match?

18. In which way is a smoker useful to a honey harvester?

19. What causes night blindness in people?

Study the diagram below and use it to answer question 20.



20. Name parts marked P shown in the Irish potato.

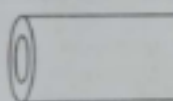
21. Why are the fangs of a poisonous snake hollow?

22. Give any one cause of sickness to most people in our communities.

23. How does a thermos flask keep hot things hot and cold things cold?

24. Name one deficiency disease that affects the skeletons.

Study the diagram below and use it to answer question 23.



25. Identify the blood vessel shown.

26. Which element of weather requires the use of an umbrella?

27. Write down the importance of rings of cartilage in the trachea.

28. State one difference in reproduction between a bat and a spiny ant eater.

29. Why is water regarded a renewable resource?

30. Name one example of exotic breed of goats reared for milk production.

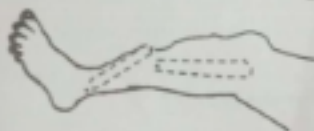
31. How can a maize plant avoid cross-pollination?

32. Give the mineral that makes the enamel of the tooth develop stronger.

33. Which fungal disease affects mainly the female reproductive organ?

34. Why is Coartem (Artemether) regarded as an essential drug?

Use the diagram below to answer the following question.



35. Identify the type of fracture above.

36. What is the gestation period of a ewe?

37. How is proper ventilation useful in a residential house?

38. Give one insect that has three stages in its metamorphosis.

39. Which component of blood prevents entry of germs into the body through wounds?

40. Mention the human organ that filters blood.

SECTION B

41. a) What is the role of pepsin during the digestion of proteins?

b) Identify any two characteristics of enzymes.

(i)

(ii)

c) Under which condition is the digestion of carbohydrates best acted upon?

42. a) What is matter?

b) Mention any **one** state of matter.

c) Give **two** properties of matter.

(i)

(ii)

43. Mr. Okurut grows maize on large scale.

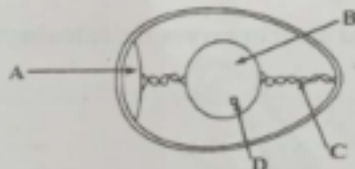
a) Mention one factor Mr. Okurut considered before starting a maize farm.

b) Name the common pest likely to be found in Mr. Okurut's garden if he does not practice crop rotation.

c) What advice would one give to Mr. Okurut in order to control the above pest?

d) Why would you encourage Mr. Okurut to introduce bee keeping on his farm?

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



44. a) Name the parts marked:

A

B

b) Of what value is part C to the embryo?

c) What food value does a P.3 child get after eating an egg?

45. a) Give the best season for harvesting mature cereals and legumes.

b) State a reason why such crops should be harvested at the season given in (a) above.

c) Write down two methods used for harvesting crops.

(i)

(ii)

46.a) In which state of matter is water at room temperature?

b) What will happen to the mass, volume and density of water when it is frozen:

(i) Mass:

(ii) Volume:

(iii) Density:

47.a) What is friction?

.....

.....

b) How can friction be useful to the following:

(i) a pupils who is writing:

(ii) a cyclist:

c) In which way can friction be a nuisance?

.....

Study the diagram below and use it to answer the following questions.



48.a) Identify the body system to which the diagram above belongs.

b) Name joint K.

c) What name is given to the antagonistic muscles L and M:

L

M

49.a) What are essential drugs?

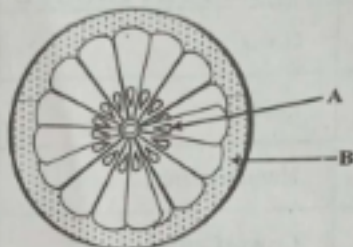
b) Give any two characteristics of essential drugs.

(i)

(ii)

c) State any one use of essential drugs.

The diagram below shows a cross-section through a type of fruit.
Use it to answer the questions that follow.



50.a) What type of fruit is shown above?

b) Name the parts marked A and B.

A

B

c) Of what economic importance is the above fruit to farmers?

51.a) What is a soil profile?

b) Give any two ways soil can be made to lose its fertility.

(i)

(ii)

c) Identify any one harmful material that can pollute soil.

52. Give two examples of each of the following fibres:

a) Plant fibres:

(i)

(ii)

b) Animal fibres:

(i)

(ii)

53. Given below is a table of animal diseases and causative germs.

Study the table and answer by filling in the gaps.

DISEASE	ANIMAL ATTACKED	GERM
Anthrax	Goats	_____
_____	Poultry	Protozoa
Scabies	Human beings	_____
_____	Cows (Cattle)	Virus

54. a) State the function of each of the following parts of the mammalian ear:

(i) Pinna:

(ii) Auditory nerve:

b) Apart from hearing, mention one other function of the ear.

c) Why should one clean his / her ear with soft materials?

55. Given below is a group of invertebrates. Use it to answer the questions that follow.

Tapeworm, Crab, Mosquito, Millipede, Centipede, Cockroach

a) Give any two of the vertebrates that are vectors.

(i)

(ii)

b) Identify two vertebrates that are myriapods.

(i)

(ii)