

KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

Pre-MOCK – 2023

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. Which part of a bee do we find the spiracles?

2. What is the importance of a fish being streamlined?

3. Give the primary source of energy in the environment.

4. Name the element of weather that causes flooding in an area.

5. In which way can alcohol be of benefit to health workers and patients attended to?

6. How is the feeding of a tapeworm different from that of a hookworm?

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



7. Identify the tooth shown.

8. Which part of a fowl's egg provides proteins and fats to the developing embryo?

9. How can salting prevent food from rotting?

10. Which property of matter applies to all the states of matter?

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



11. Name the given part of the flower.

12. Mention the important process that takes place in the cortex in the human kidney.

13. Why are insulators used in electric cables?

14. State the importance of a gall bladder to a hen.

15. Write PIASCY in full.

16. Give **one** agent of seed dispersal.

17. Of what value are the platelets in the body of a P.7 candidate?

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



18. Of what importance is this equipment to a dairy farmer?

19. Give **one** example of essential drug.

20. What do sea mammals use to keep themselves warm?

21. Write down **one** example of a renewable resource in the environment.

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



22. Which type of bird has such a beak?

23. Yellow fever is caused by a virus. In which body site is Yellow fever vaccine administered?

24. By what process does a person seated near burning charcoal in a stove get to receive warmth?

25. In which way is the function of a tendon different from that of a ligament?

26. How are Irish potatoes propagated?

27. Give **one** man-made change in the environment.

28. How does terracing control soil erosion?

29. Mention the STD which causes blindness in adults.

30. Which animal can be used to provide energy directly?

Study the diagram and use it to answer question 31.

31. Name the part labelled A.



32. What usually makes a person suffering from malaria to become anemic?

33. State the advantage of using artificial incubation.

34. Give the best way of preventing malaria infection without using chemicals.

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



35. Identify the type of feather shown at the side.

36. Give **one** way the size of an object determines the pitch of a percussion musical instrument.

37. Why is drug prescription important to patients?

38. Mention **one** way of avoiding constipation.

39. Why is copper used for making electric cables and yet silver is the best conductor of electricity?

40. Give **one** condition that leads to rusting in metals.

SECTION B

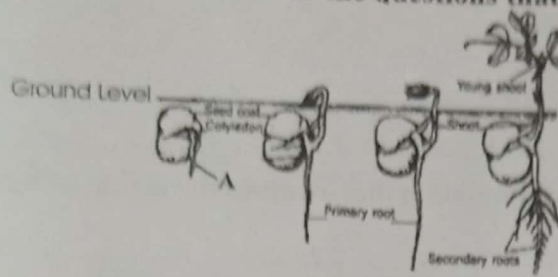
41. a) Write AIDS in full.

b) Give **one** way HIV/AIDS can be spread in the youth today.

c) Which blood cells does HIV/AIDS destroy in the body?

d) State the best way P.7 pupils can avoid HIV/AIDS infection.

Use the diagram below to answer the questions that follow.



42. a) Name part A.
 b) What type of germination is shown above?

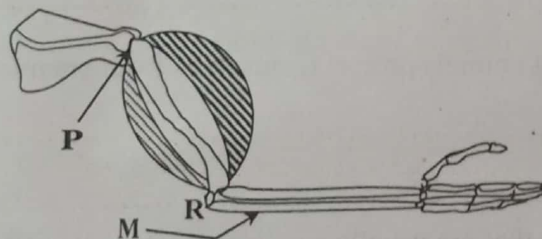
 c) Give an example of a seed that undergoes such a type of germination.

 d) Mention **one** condition of germination.

43. a) By what process does heat travel through:
 (i) solids:
 (ii) gases:
 b) When does sea breeze take place?

 c) Give **one** example of radiation in our everyday life.

Use the diagram below to answer the questions that follow.



44. a) Give the difference between the joint at P and the joint at R.

 b) What mineral salt is needed for the bones to develop stronger?

 c) Name bone M.

 d) Give **one** deficiency disease that affects bones.

45. a) Identify the type of soil with;

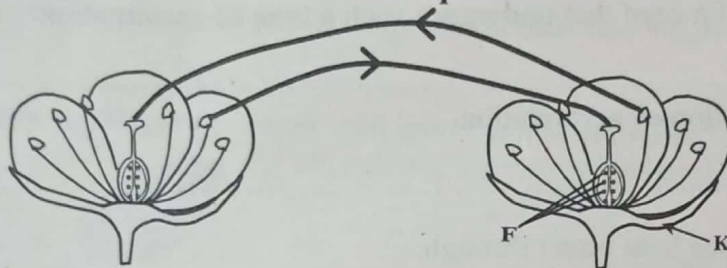
(i) a high rock particle content:

(ii) a high humus content:

b) Mention the method of soil formation that involves the action of bacteria.

c) State **one** way of conserving soil without the use of chemicals.

Use the diagram below to answer the questions that follow.



46. a) Which type of pollination is shown above?

b) Name the part marked **K**.

c) Give **one** characteristic of wind pollinated flowers.

d) Name the insect that pollinate flowers that produce scent at night.

47. a) How do the following animals protect themselves from enemies:

(i) tortoise:

(ii) centipede:

b) State any **two** factors that are usually considered when classifying animals.

(i)

(ii)

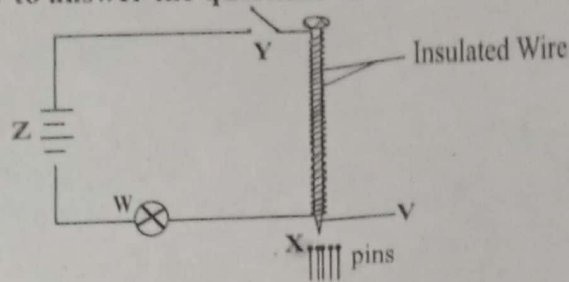
48. a) Why should all families need to feed on a balanced diet?

b) Give a reason for weaning babies at the age of six months.

c) What is used to describe a condition when the body lacks some food values?

d) In which way are roughages important to the digestive system?

Use the diagram below to answer the questions that follow.



49. a) Name the method used for making a magnet.

b) How can magnetism be increased at V?

c) What will happen to pins at X when Y is completed?

d) Why is soft iron used at V and not other metals that are magnetic materials?

50. a) How do the following organisms reproduce:

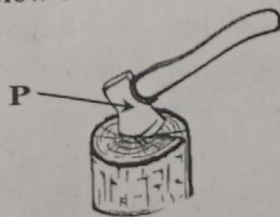
(i) Amoeba:

(ii) Yeast:

b) Give **one** process at home that involves use of yeast.

c) State **one** condition that promotes proper reproduction of bacteria.

Use the diagram below to answer the questions that follow.



51. a) Identify the simple machine showed by letter P.

b) Name the group of machines the above simple machine belongs to.

c) Apart from simple machine P, give any other example of such a machine.

d) Mention **one** way machines simplify work.

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52.a) Give any **two** examples of foreign bodies to the eye.

(i)

(ii)

b) What First Aid can be given to a person with a foreign body in the eye?

.....

c) Why is it not advisable to remove foreign bodies from the ear using sharp objects?

.....

53.a) Give any **two** examples of methods used for milking cows.

(i)

(ii)

b) State any **two** qualities of a good milk man.

(i)

(ii)

54.a) Give any **two** methods used for storing written sound.

(i)

(ii)

b) State **one** way stored sound can be useful to people.

.....

c) Mention **one** way recorded sound can be of importance in courts of law.

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55. Fill in the missing information by showing what happens to the given parts of the human respiratory system during inspiration and expiration.

BODY PART	INSPIRATION	EXPIRATION
Lungs	They contract
Diaphragm	It flattens or moves downwards
Ribs	They move downwards to the original position.
Intercostal muscles	Muscles contract