

KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

Pre-MOCK – 2025

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.

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. Why is oxygen necessary during germination of a bean seed?

.....

2. Name the first set of teeth in a human being.

.....

3. Write down **one** example of a primary cell.

.....

4. What is weight?

.....

.....

5. What vector spreads germs which cause bubonic plague?

.....

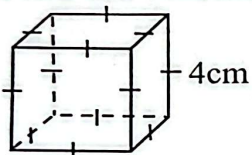
6. Name the viral disease that usually affects groundnuts.

.....

7. Why does a sterile bee die after stinging its enemy?

.....

8. Find the volume of the object below.



9. Give the first stage of a food path.

.....

10. Name **one** condition of a mother that can be said to be vulnerable.

.....

11. Give **one** importance of blood in a your body.

.....

12. Identify the suitable habitat for wading birds.

.....

13. In which way is the feeding of amoeba similar to that of human beings?

.....

14. Who is a drowned person?

.....

15. How does recycling of waste materials help to preserve resources in the enviroment?

.....

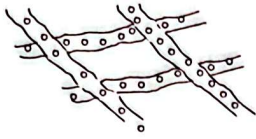
16. Identify **one** method used at your home to obtain clean water.

.....

17. Which type of teeth is most developed in rodents?

18. How is a human epiglottis useful in its location?

19. Where does fertilization take place in a female elephant?



20. Identify the amphibian which lays the following eggs.

21. How do insulators prevent electric currents from passing through them?

22. Mention **one** insect that feeds itself using proboscis.

23. Who is an HIV/AIDS positive person?

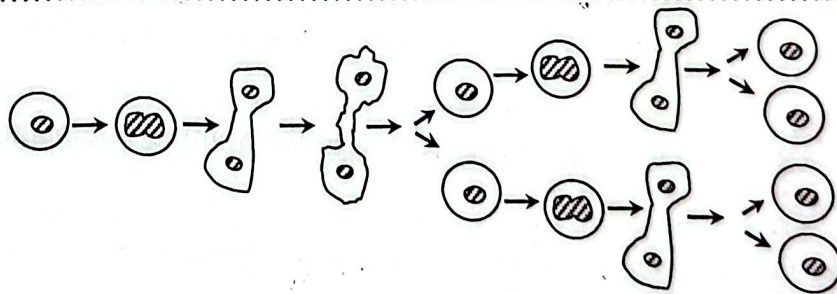
24. Give **one** artificial source of water.

25. Which system of poultry keeping is suitable for commercial purposes?

26. Identify **one** factor that can lead one to alcoholism.

27. Why do crop farmers usually transplant seedlings in the evening?

28. In which way are echoes useful to a fisherman?

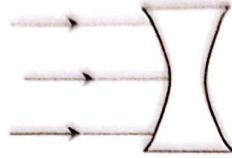


29. Name the organisms that reproduce through the means shown above.

30. How do caterpillars protect themselves from enemies?

31. State the importance of having proper air circulation in the residential ho

32. Complete the light rays in the diagram below by showing the effect of light in it.



33. State the importance of the iris in the eye of your class teacher.

34. Which element of PHC helps in the growth and repair of tissues in infants?

35. Mention **one** way in which carbondioxide is useful to people.

36. Give **one** functional difference between red blood cells and white blood cells.

37. State **one** way some plants minimize the rate of transpiration.

38. Which part of a human ear helps to give body posture?

39. Give an example of a natural spectrum.

40. State **one** advantage of using natural family planning methods.

SECTION B

41.(a) Give any **two** examples of perennial crops.

(i)

(ii)

(b) What name is given to the farm equipment used for pruning tree plants?

(c) State **one** way farmers can prevent pests in their gardens.

42.(a) What is fever?

(b) State **two** ways you can provide first aid to a victim of fever.

(i)

(ii)

(c) Give the word that describes the sudden violent uncontrolled jerky movements of the body.

.....

43.(a) What are renewable resources?

.....

(b) Give **one** example of renewable resources.

.....

(c) Mention **one** example of a solid fuel.

.....

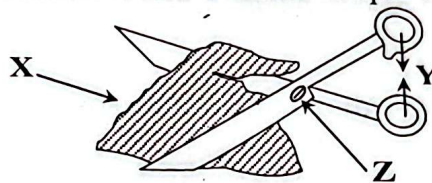
(d) Identify the most radio-active energy resource used for making nuclear energy.

.....

44.(a) Why is a panga (machete) said to be a simple machine?

.....

(b) Name the parts marked X and Y in the simple machine.



X

Y

(c) To which class of simple machines does the above machine belong?

.....

45.(a) What causes goitre?

.....

(b) Mention **one** way you can identify a victim of goitre.

.....

(c) Write **one** use of salt to people.

.....

(d) State any **one** disadvantage of salt to people.

.....

46.(a) Give **two** advantages a farmer gets from agro forestry.

(i)

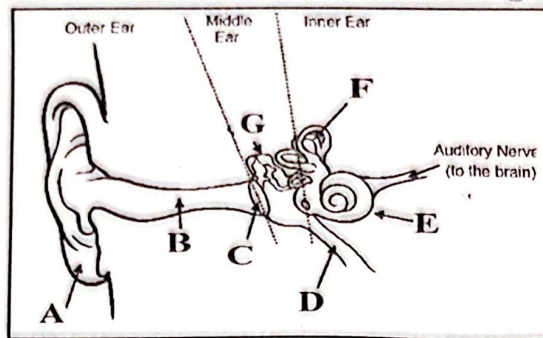
(ii)

(b) Identify **two** tree management practices used in harvesting trees in agro-forestry.

(i)

(ii)

Use the diagram below of a human ear for answering questions that follow.



47.(a) Name part marked **D** in the ear above.

.....

(b) How is part marked with letter **A** useful to man?

.....

(c) Which part of the ear helps to give body balance?

.....

(d) State any **one** cause of temporary deafness to some persons.

.....

48.(a) What is teenage pregnancy?

.....

(b) Mention any **two** causes of teenage pregnancy.

(i)

(ii)

(c) Give any **one** emotional consequences of teenage pregnancy.

.....

49.(a) What is mechanical energy?

.....

.....

(b) Identify **two** types of energy.

(i)

(ii)

(c) State any **one** effect of heat on water.

.....

50. Match the items of List A with those of List B correctly.

LIST A	LIST B
Culling	- A large group of bees
Swarm	- The practice of keeping bees
Apiary	- Separation of sick animals from productive ones and the healthy
Apiculture	- A place set aside where beehives are set to attract bees

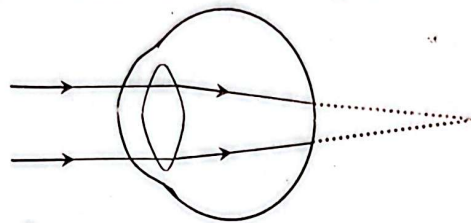
(i) Culling:

(ii) Swarm:

(iii) Apiary:

(iv) Apiculture:

Use the diagram given below for answering questions that follow.



51. (a) Name the eye defect

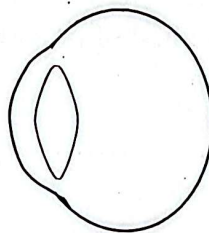
.....

(b) State two causes of the eye defect above.

(i)

(ii)

(c) Draw a correction for the eye defect given above.



52. (a) Give one example of indigenous cattle kept in Uganda.

.....

(b) Why were the Friesian exotic breeds of cattle introduced into Uganda?

.....

(c) Briefly state what Paddock system of grazing cattle is.

.....

(d) Identify one advantage a farmer gets from paddock system of grazing cattle.

.....

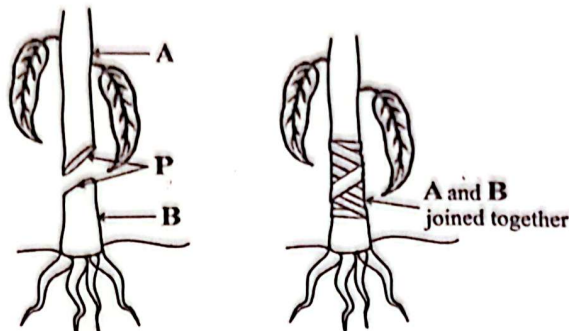
53.(a) Give **one** natural living source of light.

(b) What is a shadow?

(c) State **one** advantage of shadows to animals.

(d) Identify the natural object that leads to formation of solar eclipse.

Use the diagram below for answering question that follow.



54.(a) Name the part marked with letter A.

(b) What method is used for raising plants given above?

(c) Why is the above part marked with letter P bound together and covered with wax?

(d) Of what advantage is marcotting as a method of propagating plants as compared to other methods?

55.a) What is meant by **soil conservation**?

(b) Name **two** methods farmers may use to conserve soil fertility.

(i)

(ii)

(c) Which word is used to describe the practice of planting many trees in an area they have never existed?