

KOLFRAM EDUCATIONAL SERVICES KAMPALA



TERM ONE EXAMINATIONS 2023

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

CANDIDATE'S NAME: _____

SCHOOL CODE: _____

SCHOOL RANDOM NUMBER: _____

INDEX NUMBER: _____

Read and follow these instructions carefully:

1. The paper has **two** sections: A and B.
2. Section A has 40 questions (40marks)
3. Section B has 15 questions (60marks)
4. Answer **ALL** questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink.
6. Diagrams should be drawn in pencil.
7. Unnecessary crossing of work may lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.
9. Do not fill anything in the boxes indicated; For Examiner's use only.

FOR EXAMINERS USE ONLY

QN. NUMBER	MARKS	EXAMINER'S INITIAL
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

Turn over

SECTION A (40 MARKS)

1. Which substance exists in all the three states of matter?

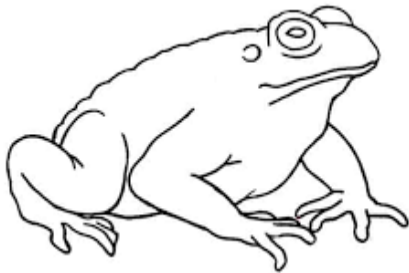
2. Identify the type of weather suitable for winnowing grains.

3. How are ferns different from conifers in terms of reproduction?

4. Name the body organ that interprets messages and helps in memory.

5. Identify the form of energy that enables us to listen to music.

The diagram below is of a frog.



6. State the main reason why the above animal is able to live on both land and water successfully.

7. Why is tepid sponging important to a person with fever?

8. Name the immunisable disease controlled by HepB Vaccine.

9. State any **one** importance of poultry farming as a business.

10. Mention **one** harmful habit put lungs in great danger.

11. Give **one** difference between a VIP latrine and an ordinary pit latrine.

12. Name **one** garden tool farmers use for harvesting millet.

13. During the children X-mas party, children blow air in balloon. Which property of air was demonstrated?

14. Why does the government of Uganda supply free mosquito nets to their citizens?

15. Name **one** non - vertebrate animal that is a molluscs.

16. Give a reason why cattle farmers prefer keeping Fresian cows to Jersey?

17. Name **one** living organism that help in decomposition of organic matter in the environment.

18. Why are pregnant women referred to as vulnerable people?

19. Identify any blood vessel in the human body that carries oxygenated blood.

20. Name the reproduce cell shown below.



21. Identify **one** method used to control rats in our homes.

22. Why is it important for all children to learn swimming skills?

23. Change 10°C to $^{\circ}\text{F}$.

24. How would you tell by merely looking at a child that she/he is dehydrated?

25. Apart from mushroom, give **one** other example of a fungi.

26. What type of change is rusting?

27. Write down one PIASCY message found in the school compound that control the spread of HIV/AIDS.

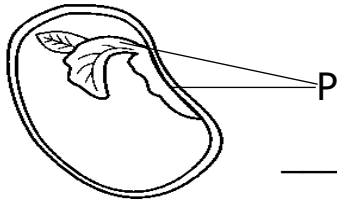
28. What do birds with sharp hooked beaks and curved claws feed on?

29. Why are aeroplanes are not considered as living things?

30. Mention **one** cause of anaemia.

31. State **one** common characteristic in both amphibian and fish.

32. The diagram below shows a bean seed. Name part marked P.



33. State **one** reason why carbon dioxide is used in the preservation of bottled drinks.

34. Write **one** danger of teenage pregnancy.

35. What can happen to a person when oxygen supply to the brain reduces?

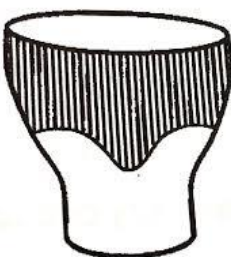
36. When paraffin is mixed with water in a container, it settles on top of the water. Why does this happen?

37. What type of family is composed of parents, sons, daughter and grandparents?

38. How is rinsing an important step in washing clothes?

39. Why is breast feeding encouraged in babies below 6 months?

40. Below is a musical instrument. How does it produce sound?



SECTION B (60 MARKS)

41. a) State **two** characteristics of insects.

(i) _____

(ii) _____

b) Give **one** example of each of the following insects.

i) Wingless insect

ii) Social insect

42. a) What are non – renewable resources?

b) Give **two** examples of non - renewable resources.

(i) _____

(ii) _____

c) How does man use water as a resource?

43. a) Name **one** practice that we can do to keep our bodies clean and healthy.

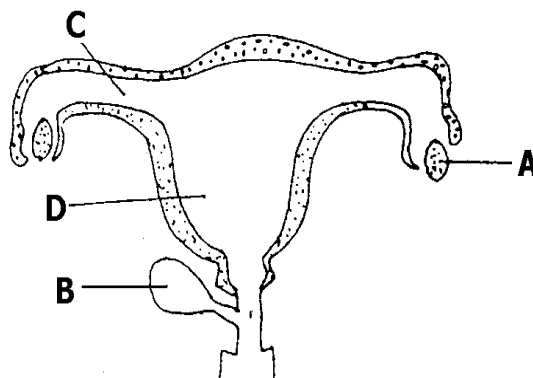
b) Mention any **two** materials that can be used in carrying out the practice you have named in (a) above.

(i) _____

(ii) _____

c) Give **one** reason why we should keep our body clean.

44. The diagram below shows a female reproductive organ. Use it to answer questions that follow.



a) Name the parts labelled A.

b) What process takes place in part C and D?

i) C

ii) D

c) Write **one** way you can care for the organ above.

45. a) What term refers to essential health care where individuals, families and communities come together to solve their health problems?

b) Mention any **two** activities that can be done by a family to promote health in a home.

(i)

(ii)

c) Give **one** way in which PHC is an important programme in the community.

46. a) How can milk be preserved?

b) Mention any **two** products got from milk.

(i)

(ii)

c) Apart from a cow, give **one** other animal that gives milk.

47. a) Why are frogs vertebrates?

b) Name the class of vertebrate where frogs belong.

c) How is reproduction of frogs similar to that of fish?

d) State **one** way frogs benefit from water.

48. a) What is soil exhaustion?

b) State **one** cause of soil exhaustion.

c) What layer of soil profile is commonly carried away by agents of soil erosion?

d) Mention **one** process that help in soil formation.

49. **Match the crops to their means of propagation.**

Crops	Propagation
Cassava	Seeds
Irish potatoes	Suckers
Carrots	Stem tubers
Pineapples	Stem cutting

i) Cassava

ii) Irish potatoes

iii) Carrots

iv) Pineapple

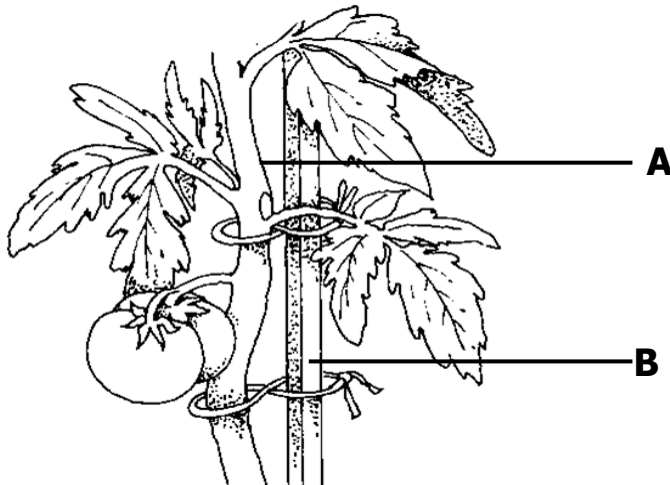
50. a) Write STD's in full.

b) Identify the STD that causes;
blindness in babies

madness (insanity)

c) How can a P.6 pupil prevent acquiring STDs?

51. The diagram below shows a staked plant. Use it to answer questions that follow.



a) Name the method of staking shown above.

b) State the function of material labelled with letter **B**.

c) How is staking important to plant marked with letter **A**?

d) State **one** material used in staking plant labelled with letter **A**?

52. a) What term refers to the transitional period between childhood and adulthood?

b) Outline any **two** secondary sex characteristics in both boys and girls adolescent.

(i)

(ii)

c) Mention **one** primary sex characteristic that appears in girls.

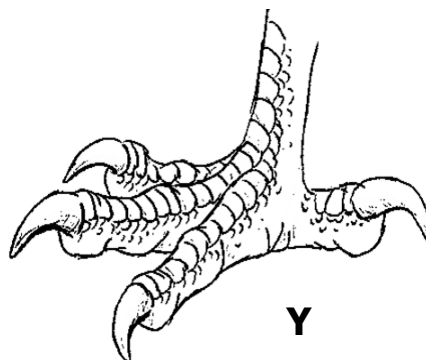
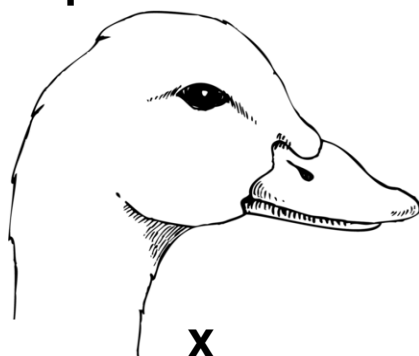
53. a) Give the use of a clinical thermometer to a health worker.

b) Name the liquid commonly used in clinical thermometers.

c) Give a reason why there is a constriction (kink) in the capillary tube of a clinical thermometer.

d) Write any **one** health workers sterilize clinical thermometer.

54. The diagrams below show parts of different birds. Use them to answer questions that follow.



a) Name one bird with structure marked with letter **Y**.

b) Name common habitat for bird **X**.

c) state one common similarity between bird whose part is represented with letter **X** and that of **Y**.

d) How is the bird **X** important in the environment?

55. Below is a list of activities carried out by people in the environment. Use the list to answer questions that follows.

- **Deforestation**

- **Draining swamps**

- **Crop rotation**

- **Afforestation**

a) Which activity is likely to increase the amount of rainfall?

b) Which activity is likely to decrease the amount of rainfall?

c) Which activity is good in controlling pests?

d) Which activity is likely to cause floods in the environment?
