

# KAMPALA PARENTS' SCHOOL 2004

## PRE-PLE VII EXAMINATION - 2022

### INTEGRATED SCIENCE

**TIME: 2 HOURS 15 MINUTES**

**NAME:** \_\_\_\_\_

**INDEX NO** \_\_\_\_\_ **STREAM.** \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**Read the following instructions carefully.**

1. This paper is made up of two Sections: A and B.
2. Answers to both sections must be written in the spaces provided in full sentences.
3. Section A has 40 questions (40 marks)
4. Section B has 15 questions (60 marks)
5. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.

**FOR EXAMINERS USE**

**ONLY**

<b>QN. NO.</b>	<b>MARK</b>	<b>SIGN</b>
<b>1 - 10</b>		
<b>11 - 20</b>		
<b>21 - 30</b>		
<b>31 - 40</b>		
<b>41 - 43</b>		
<b>44 - 46</b>		
<b>47 - 49</b>		
<b>50 - 52</b>		
<b>53 - 55</b>		

## **SECTION A**

1. Why does a coin placed in water sink?

---

2. Which viral cattle disease leads to lameness and wounds in the mouth?

---

3. How does construction of terraces on steep slopes control soil erosion?

---

4. Give one way in which the use of electricity conserves the environment.

---

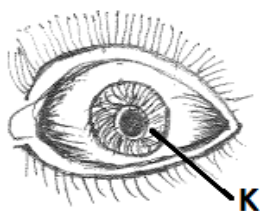
5. State any one vegetative method of propagating crops.

---

6. Name one type of weather which requires the use of umbrella.

---

The diagram below shows parts of a mammalian eye. Use it to answer questions 7 and 8.



7. Name the part marked **K** \_\_\_\_\_

8. Apart from trachoma state any one other disease that affects the above organ.

---

9. Name the garden tool shown below.



10. How is the garden tool shown useful to a farmer?

---

---

11. Why are bacteria commonly found in decaying matter?

---

12. Identify the renewable resource used in the generation of Hydro electricity.

---

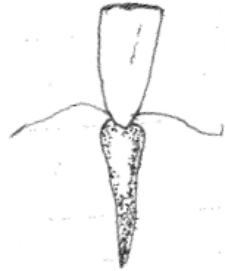
13. Give one way in which disease can be controlled without using drugs.

---

14. Why is a whale called a mammal?

---

The diagram below is of a tooth. Use it to answer question 15.



15. How is the tooth above useful in the human body?

---

16. Which gas is released in large quantity in the atmosphere when plants make starch?

---

17. Write one activity done by crop farmers during the dry season.

---

18. In measurements, when does one use displacement method?

---

19. Give any one way in which a school health club can promote health in the community.

---

20. Which breed of goats is reared for its fur?

---

21. In which one way is the pinna of the ear useful?

---

22. What disorder of the female reproductive system involves development of the embryo in the oviduct instead of the uterus?

---

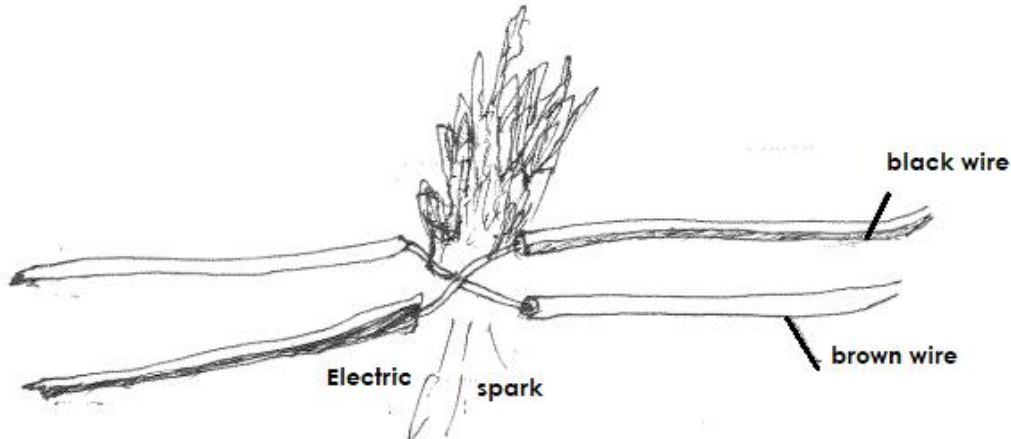
23. Write down one thing that happens to the air when we breathe in through the nose.

---

24. State any one way in which the spread of endo parasites can be controlled.

---

The diagram below shows two naked live wires in contact. Study and use it to answer questions 25 and 26.



25.What does the diagram above show?

---

26.Mention one form of energy produced in the above illustration.

---

27.Name the breed of rabbits kept by farmers mainly for fur.

---

28.Write any one function of the skeleton in the body.

---

29.Apart from debeaking, state one other way of preventing fowl vices in poultry.

---

30.State one characteristic of seeds dispersed by wind.

---

31.State one group of people at risk of contracting HIV/AIDS.

---

32.Identify one mammal whose habitat is water.

---

33.Give one importance of storing food.

---

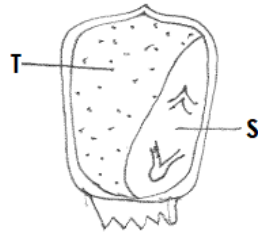
34.Name the end product produced when proteins are fully digested.

---

35.State one importance of antenatal care.

---

The diagram below is of a maize grain. Use it to answer questions 36 and 37.



36. Name the part labeled **T**.

\_\_\_\_\_

37. Give the function of the part of the part labeled **S** when the grain is germinating.

\_\_\_\_\_

38. Identify the condition of the body whose first aid involves tepid sponging the victim.

\_\_\_\_\_

39. Why is clay soil used in pottery?

\_\_\_\_\_

40. Write down one non-living agent of soil erosion.

\_\_\_\_\_

### **SECTION B**

41.a) What form of energy is stored in a dry cell?

\_\_\_\_\_

b) Name any one form of energy produced by a bulb when the circuit is completed.

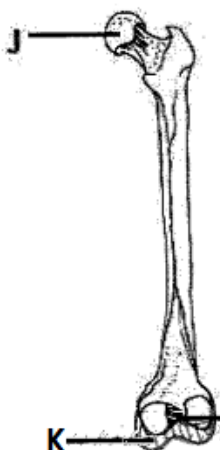
\_\_\_\_\_

c) State two ways in which the use of electricity conserves the environment.

i) \_\_\_\_\_

ii) \_\_\_\_\_

The diagram below shows a bone found in the human skeleton. Use it to answer questions that follow.



42.a) Name the part of the bone marked **J**

\_\_\_\_\_

b) To which group of bones does the one shown belong?

\_\_\_\_\_

c) Give any one example of such a bone in the human body.

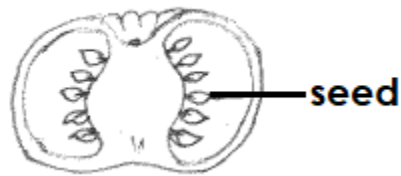
\_\_\_\_\_

d) How is part **K** useful in the joint?

\_\_\_\_\_

\_\_\_\_\_

43. The diagram below shows a tomato fruit.



a) To which group of succulent fruits does the fruit above belong?

b) What term is used to mean the scattering of seeds from the parent plant to other areas?

c) Write down two importance of scattering of seeds from the parent plant to other areas.

i) \_\_\_\_\_

ii) \_\_\_\_\_

44.a) Why is it not advisable for one to drive when he has taken alcohol?

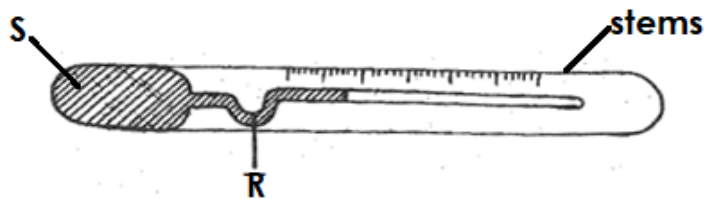
b) Give one use of alcohol in the community.

c) Give one effect of alcohol to;

i) a community \_\_\_\_\_

ii) an individual \_\_\_\_\_

45. Below is a diagram of a clinical thermometer.



a) What is the use of part marked **R**.

b) Name the liquid contained in part **S**.

c) State two reasons why the liquid in part S is commonly used in a clinical thermometer.

i) \_\_\_\_\_

ii) \_\_\_\_\_

46. The table below shows an animal, young one and way of giving birth. Complete the table correctly.

	<b>Animal</b>	<b>Young one</b>	<b>Act of giving birth</b>
a)	sow	Piglet	
b)		calf	Calving
c)	ewe		Lambing
d)	doe	Kit	

47.a) Why is a cow grouped under ruminant animals?

\_\_\_\_\_

b) Apart from a cow, name one other example of a ruminant animal.

\_\_\_\_\_

c) Write any two signs of heat period in cattle.

i) \_\_\_\_\_

ii) \_\_\_\_\_

48. Name the type of clouds that;

i) bring rain \_\_\_\_\_

ii) are sign of fine weather \_\_\_\_\_

b) State two dangers of clouds to people.

i) \_\_\_\_\_

ii) \_\_\_\_\_

49.a) Write down two factors which can lead to fainting.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Why is a person who has fainted advised to;

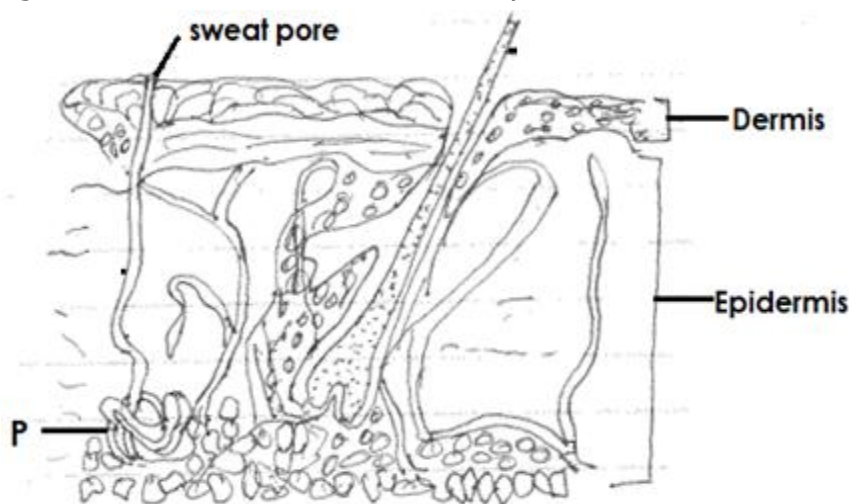
i) lie down with legs raised than the head?

\_\_\_\_\_

ii) loosen all tight clothes on the body.

\_\_\_\_\_

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



a) Name part marked **P**.

b) How does the organ above regulate the body temperature on a cold day?

c) Apart from regulating body temperature, write down two other functions of the skin.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

51. a) In the table below list A shows immunisable diseases and B shows the vaccines used.

**A**

- a) Hepatitis B
- b) Diarrhoea
- c) Pneumonia
- d) Haemophilus B

**B**

- PCV
- Hib vaccine
- Hep B vaccine
- Rotavirus vaccine

- a) Hepatitis B \_\_\_\_\_
- b) Diarrhoea \_\_\_\_\_
- c) Pneumonia \_\_\_\_\_
- d) Haemophilus influzer B \_\_\_\_\_

52. a) What term is used to describe the process of finding out the health status of people in a community.

b) Write two methods used to collect information on the available health services.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_



- d) How is the collecting of information on the health status of people in the community important to the government.

53. The diagram below shows an invertebrate. Study it to answer questions that follow.



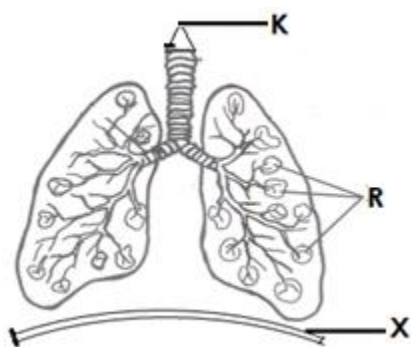
- a) Name the part **T** \_\_\_\_\_
- b) Give the importance of parts **S** and **T**.
- i) **S** \_\_\_\_\_
- ii) **T** \_\_\_\_\_
- c) To which group of invertebrates does the animal above belong?

54.a) Give two reasons why farmers prune their fruit crops.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- b) Give one importance of a school garden.

c) Write one advantage of growing crops alongside trees.

55. The diagram below shows the respiratory system.



- a) Name parts marked **K** and **X**.
- i) **K** \_\_\_\_\_
- ii) **X** \_\_\_\_\_
- b) State one way in which Part **R** is adapted to gaseous exchange.

c) Write down any way of keeping the above system in a good working condition.

**-END-**