



BETTER EDUCATIONAL CONSULTANCY

PRE-PRIMARY LEAVING EXAMINATION

SET THREE, 2022

SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Random No.

District ID:

Read the following instructions carefully:

1. Do not write your **school** or **district** name anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions.
3. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
6. Do not fill anything in the table indicated:
"for examiner's use only" and boxes inside the question paper.

FOR EXAMINER'S USE ONLY

Qn. No	MARK	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

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Tel: 0779101164, 0750558616, 0706602422, 0775157214.

Turn over

1. Name one source of current electricity.

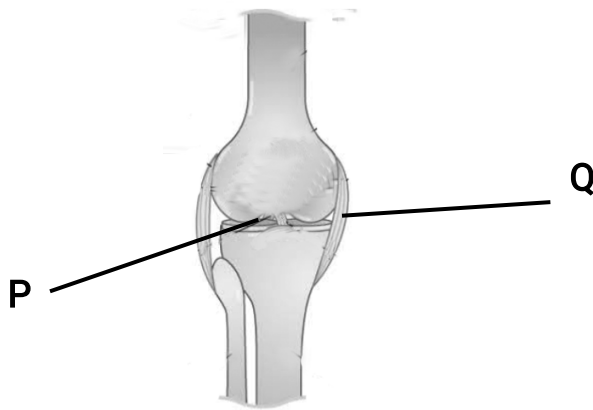
2. Which vector spreads yellow fever to people?

3. State any one use of a tooth paste in promoting personal hygiene.

4. Give any one example of a chemical change in living things.

5. Which group of warmed blooded vertebrates reproduce by laying eggs?

The diagram below shows parts of a human skeleton. Use it to answer question 6 and 7.



6. Name the structure marked Q.

7. What is the function of the part marked P?

8. State the type of goats kept for their hair.

9. What type of objects do not allow all the light to pass through them?

10. Why do people use clay soil for modeling?

11. How is wax in the ear of human beings important?

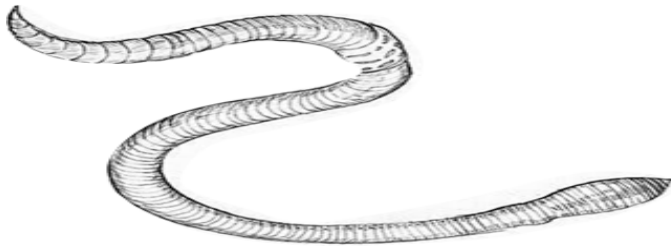
12. Write down one way of caring for crops in a nursery bed.

13. State any one characteristic of molar teeth which makes them suitable for their function.

14. How can breeding of mosquitoes be controlled apart from draining stagnant water?

15. Which deficiency disease causes soft and weak bones?

The diagram below shows a worm. Study it and answer questions 16 and 17.



16. Name the worm shown in the diagram above.

17. How is this worm useful to people in the environment?

18. State any one characteristic of laboratory manufactured drugs.

19. Give any one way you can conserve the home environment.

20. How do plants benefit from the sun?

21. State one characteristic of renewable resources.

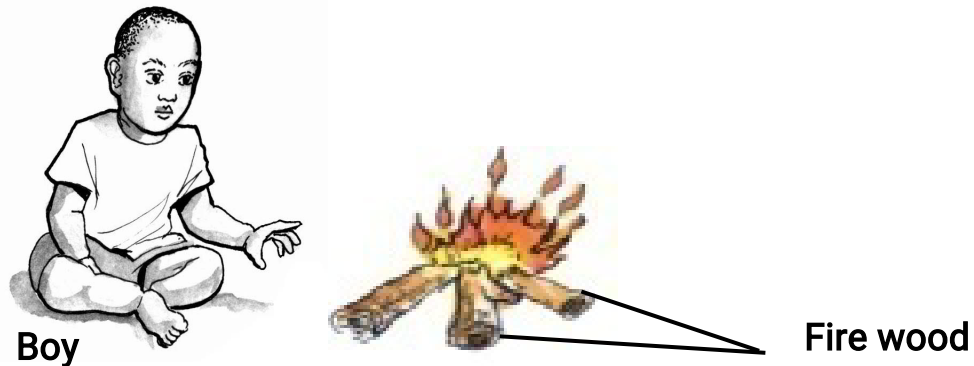
22. Give any one function of blood plasma.

23. State any one way in which having enough rest and sleep is important to the human

body.

24. How is a mango adapted to animal dispersal?

The diagram shows a boy warming himself on a cold day.



25. Name the energy change when the wood burns to give fire.

26. By what means does the heat from the fire reach the boy?

27. Give one type of energy given off by the fire.

28. How does dipping a scald in cold water help the victim?

29. State the importance of the epiglottis during breathing.

30. Which water borne disease affects the liver?

31. Apart from income, give any one other importance of table birds.

32. Which rabbit disease causes shivering, sneezing and difficulty in breathing?

33. Give one way in which electricity produced by dry cells can be increased.

34. How does a liquid behave when placed in a container?

35. State any one condition which is favourable for plants to make food.

36. Name any one vegetable crop which is propagated by use of stem cutting.

37. Which group of invertebrates have a body shell?

38. Apart from preventing STDs, give any one other advantage school children get from PIASCY programme.

39. Give one way farmers preserve seeds for planting.

40. Name any one human organ that stores fats in the body.

SECTION B

41(a) Name the least component of air.

(b) Why are rare gases used to fill electric bulbs?

(c) Give one use of wind as an energy resource.

(d) How can dangers of wind be prevented in the environment?

42. The diagram shows the life cycle of an insect. Study it and answer questions that follow;



C

D

(a) Name one insect which has the type of life cycle shown above.

b) Which stage of this insect is more dangerous to people?

c) How is stage B different from stage C?

(d) What do we call this type of life cycle?

43. a) Write down any two causes of drowning.

i.

ii.

b) Give any two ways of avoiding drowning at home.

i.

ii.

44.a) Write any two reasons why bats are classified as mammals.

i.

ii.

b) In which two ways are bats different from birds.

i.

ii

45.a) Write down any two ways of collecting information from a health survey.

i. _____

ii. _____

b) Give two importance of a health survey to the government.

i. _____

ii. _____

46. In the table below, part A shows minerals and vitamins and part B has uses.

Part A	Part B
Iron	Makes thyroxin
Calcium	Prevents bleeding gums and improves skin
Iodine	Makes bones and teeth strong
Vitamin C	Makes blood cells.

Iron _____

Calcium _____

Iodine _____

Vitamin C _____

47. a) Give one example of an exotic breed of sheep kept in Uganda.

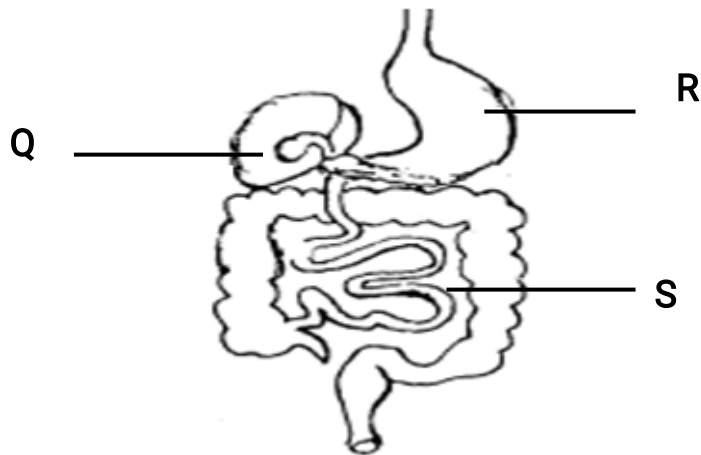
b) Name the meat got from sheep.

c) State any the diseases that commonly attack sheep.

i. _____

ii. _____

48. The diagram below is of part of the digestive system. Study it and use it to answer the questions.



- (a) Name the digestive juice produced in parts R and S.
- i. R: _____
- ii. S: _____
- b) Give the importance of the digestive juice produced by part Q.
- _____
- c) Which part of the digestive system is not part of the alimentary canal?
- _____

49.a) State any two ways in which mulching can improve soil fertility.

- i. _____
- ii. _____

b) State any two disadvantages of mulching to a crop farmer.

- i. _____
- ii. _____

50.a) To which type of simple machines does an axe belong?

b) State any one use of an axe

(c) How can the efficiency of an axe be improved to make work easier?

(d) Give one other example of a machine which belongs to the same group as an axe.

51.a) State any two ways of promoting sanitation in a classroom

i. _____

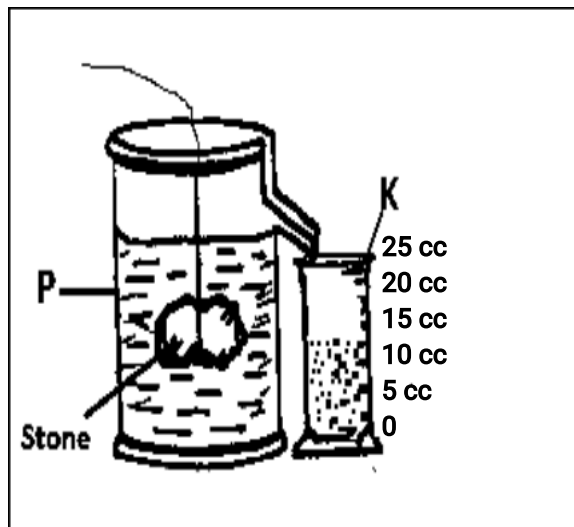
ii. _____

b) Give any two diseases that can break out in a school due to poor personal hygiene.

i. _____

ii. _____

52. The diagram below shows a process of finding the volume of a stone. Study the diagram and answer the questions that follow.



a) Name the containers marked P and K.

(i) P _____

(ii) K _____

b) What is the volume of the stone?

c) What method of solving a problem is shown by the experiment?

53.(a) What type of venation does a maize plant have?

b) Name the type of root system found in Maize.

c) Which type of roots does maize develop during the fruiting period?

d) To which group of flowering plants does maize belong?

54. a) Give one way in which soil is formed.

b) State any two properties of loam soil.

i.

ii.

c) Write down one way of controlling soil exhaustion.

55.a) What is the importance of bees to a crop farmer?

b) Give the importance of a honey chamber in a modern bee hive.

c) What so we call the breathing organs on the abdomen of a queen bee?

d) State the life cycle of a honey bee.

END.