



# 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** of **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		

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.

---

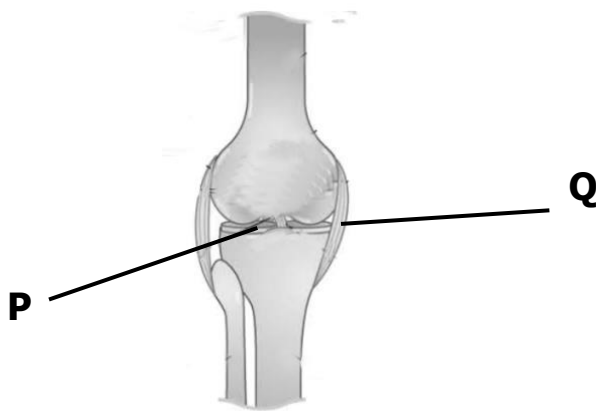
4. Give any one example of a chemical change in living things.

---

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.

---

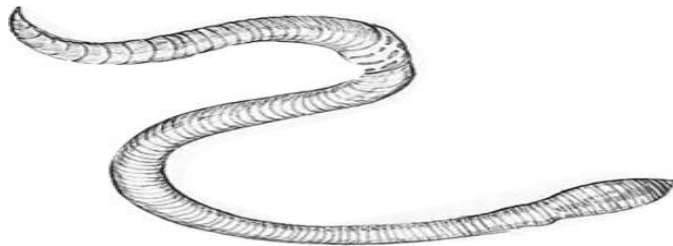
14. How can breeding of mosquitoes be controlled apart from draining stagnant water?

---

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.

---

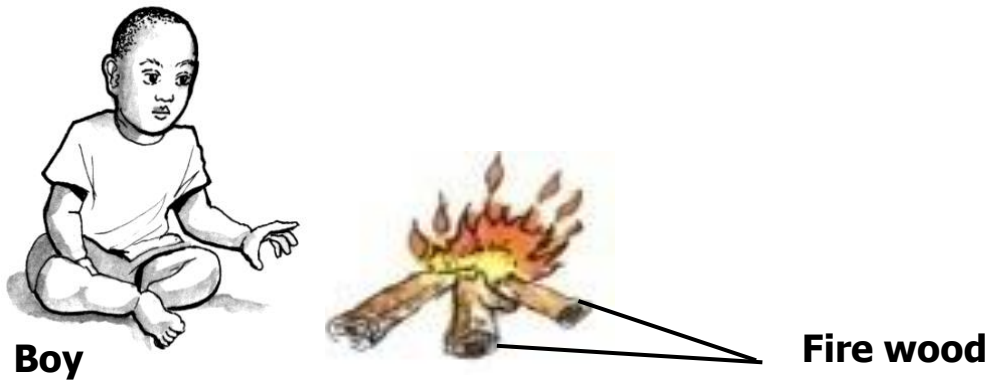
23. State any one way in which having enough rest and sleep is important to the human body.

---

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?

---

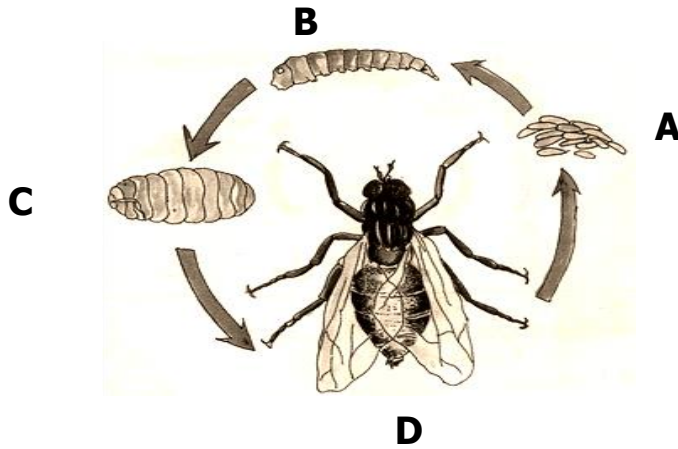
(c) Give one use of wind as an energy resource.

---

(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;



(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.

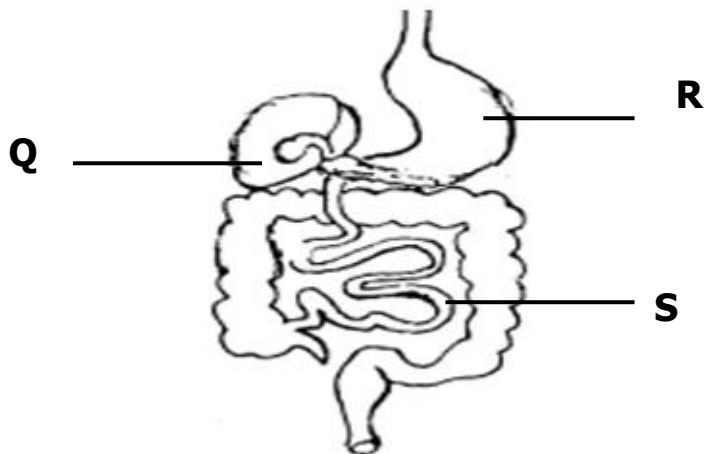
\_\_\_\_\_

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.

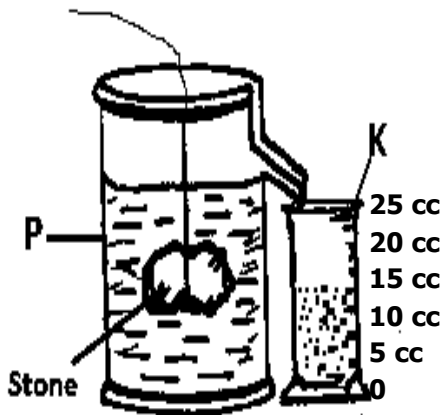
i. 

---

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.**