

KOLFRAM EDUCATIONAL SERVICES KAMPALA



PRE PRIMARY LEAVING EXAMINATION (SET IV)

2023

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index Number:

Random Number

Personal Number

Candidate's Name:

Candidate's Signature:

School Name:

District Name:

DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO

Read and follow these instructions carefully:

1. This paper has **two** sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **8** printed pages.
2. Answer all questions. All answers to both sections A and B must be shown in the spaces provided.
3. All answers must be written using a blue or black ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will not be marked.
4. No calculators or electronic pens are allowed in the examination room.
5. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: **"FOR EXAMINERS' USE ONLY"** and boxes inside the question paper.

FOR EXAMINER'S 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		

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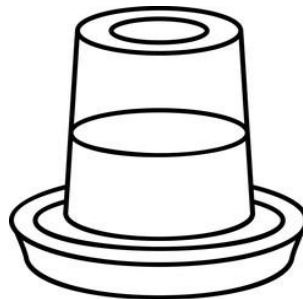
Trust Kolfram Educational Services for quality workbooks, companion books, PLE revision workbooks, PLE question Banks, Quality Assessments and Holiday packages

Turn Over

SECTION A

(Questions **1** to **40** carry one mark each)

1. To which group of vertebrates does a bat belong?
.....
2. Which gas increases in the atmosphere during respiration?
.....
3. Identify any **one** state of matter through which heat travels by convection.
.....
4. Briefly explain the first aid that can be given to a person who has got a sprain.
.....
5. How important is a dump proof course put in the foundation of our houses?
.....
6. Why is a clinical thermometer used to measure the human body temperature?
.....
7. Suggest any **one** non-infectious disease in cattle.
.....
8. Mention the body part where the teeth are found.
.....
9. How is the movement of sound different from that of light?
.....
10. Identify the type of weather that can lead to expansion of electric wires tied on their poles.
.....
11. State any **one** importance of the item drawn below to the poultry farmers.
.....



12. Why is collection of information about housing important to a government?
.....
13. Point out any **one** way of controlling rats in the school library.
.....
14. State any **one** science oriented club in your school.
.....

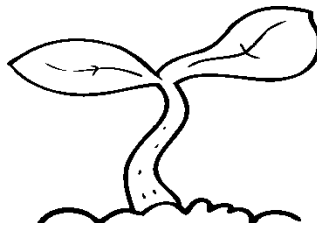
15. Calculate the density of an object with mass 15 gm and volume 2.5ml

16. Write any **one** method of harvesting honey.

17. What is the main purpose of teaching PIASCY in schools?

18. Why are we encouraged to always have proper body posture?

Study the diagram of a young plant below and use it to answer question 19.



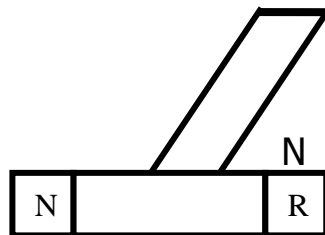
19. Which component of air helps in changing a bean seed in to the stage above?

20. In which way can a primary seven pupil utilize electricity at home?

21. On which body part of a spider are the legs found?

22. How do young children make ripe oranges safe for eating?

23. The diagram below shows a method of making a magnet. Draw arrows to show the way it is done.



24. How are hoes important to cassava growers?

25. In which way can water be used as an energy resource?

26. Briefly explain how the principal of "**clock wise moments are equal to anti clock wise moments**" is demonstrated by shop keepers.

.....
27. Cite any **one** example of a drug prescription given by doctors to patients.
.....

28. How are secondary colours different from primary colours?
.....

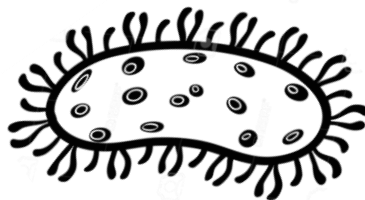
29. Why is a breast feeding baby grouped under vulnerable people?
.....

30. Give **one** way in which alcoholism has affected the development of Uganda
.....

31. State any **one** effect of negative people made changes to the environment.
.....

32. What is the value of spreading our beddings in the sunshine?
.....

33. Identify any **one** disease in human being caused by the organism drawn below.



.....
34. How does temperature affect the pitch of sound produced by a drum?
.....

35. Why would you advise your classmate who is an active smoker to stop the habit?
.....

36. Which activity can be carried out in a school to control the spread of vector borne diseases?
.....

37. Mention any **one** effect of water to human health.
.....

38. State **one** device that married couples can use to promote family planning.
.....

39. How are mosses similar to moulds?
.....

40. Under what type of condition does pepsin work effectively?
.....

SECTION B

41. a) The term **photosynthesis** means the process by which plants make their own food.

What does the phrase "**synthesis**" mean?

.....

- b) Write down any **two** materials of the above process.

(i)

(ii).....

- c) How useful in our bodies is the gas produced during the above process?

.....

42. a) Suggest any **one** item used to promote each of the following;

(i) Personal hygiene

.....

(ii) Food hygiene

.....

b) In which way is sanitation similar to personal hygiene?

.....

- c) How does promoting of proper sanitation prevent us from faecal diseases?

.....

43. Match the diseases below with their causes correctly.

Disease

organism

- | | |
|-------------------|----------------|
| i) Malaria | filarial worms |
| ii) Trachoma | trypanosomes |
| iii) Nagana | plasmodium |
| iv) Elephantiasis | bacteria |
| | Mosses |

CORRECT ORDER.

(a) Malaria

(b) Trachoma

(c) Nagana

(d) Elephantiasis

44. a) How do translucent objects affect light?

.....

- b) State any **one** area in our homes where translucent objects are commonly found.

.....

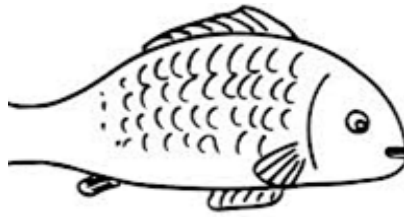
- c) Give any **one** reason why the moon is not grouped under the sources of light.

.....

d) Mention any **one** instrument that uses light to operate.

.....
.....

45. Study carefully the diagram of a water animal below and then use it to answer the questions that follow.



a) On the organism above, indicate the part that is used by the above animal to change direction.

.....

b) What scientific name is given to the rearing of the above organism?

.....

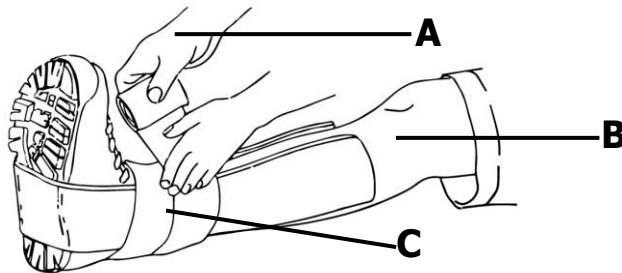
c) Why do some people rear the above organisms?

.....

d) How is the above organism able to survive in water?

.....

46. Use the diagram below to answer the questions that follow.



a) What specific name is given to the person represented with letter **B**?

.....

b) State any **two** qualities of the person marked with letter **A**.

(i)

(ii)

c) Of what importance is item marked with letter **C**.

.....

.....

47. a) Give any **one type of poultry kept in our homes.**

.....

.....

b) Why are ducks not commonly kept in Uganda?

.....

.....

c) Write down any **one** system of poultry keeping common in:

(i) Villages

(ii) Urban areas

48. a) How do the following organisms reproduce?

i) House flies

ii) Spiders

b) How do spiders help to promote human health?

c) In which way do spiders use cobwebs?

49. a) Identify any **two** activities done by crop farmers during wet season.

(i)

(ii)

b) Suggest any **one** danger of too much rain to crops.

c) How is sunny weather important to farmers?

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

Disease	Vaccine	Number of doses	Site
POLIO	Polio vaccine		mouth
	Measles vaccine	1 dose	Left upper arm
Tuberculosis	BCG vaccine	1 dose	

b) How is the administration of BCG vaccine related to that of DPT vaccine?

51. a) How does heat affect the following

i) gases

ii) solids

b) Peter was taken to the hospital and his body temperature had dropped by 2° c from the normal. What was his temperature in degrees Fahrenheit?

52. a) Name the worm that lives in the ileum of the small intestine?

.....
.....

b) Identify any **two** ways of controlling intestinal worms.

(i)

(ii).....

c) Identify the worm that feeds on blood in the body of an animal.

.....

53. The diagram below shows Matovu's dressing code while at work. Study it carefully and answer the questions that follow.



a) Give the special name for item marked with letter **G**.

.....

b) State any **one** importance of the item marked with letter **G** to Matovu.

.....

c) Identify any **two** ways in which Matovu can protect the food he prepare against food contamination.

(i)

(ii).....

54. a) Define sorting as used in cleaning clothes..

.....

b) State any **one** factor to consider when sorting clothes for washing.

.....

d) State any **one** importance of sorting clothes for washing.

.....

Give any **one** disadvantage of not sorting clothes for washing

.....

55. a) Mention any **two** causes of inadequate food supply in our community.

(i)

(ii).....

b) Give any **one** example of each of the following in our community;

i) Antisocial behaviours in class.

.....

ii) Juvenile delinquent.

.....