

KAMPALA PARENTS' SCHOOL 2004
INTERNAL MOCK EXAMINATION, 2024
INTEGRATED 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: FOR EXAMINER'S USE ONLY

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.

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		

Turn over

SECTION A: (40 MARKS)

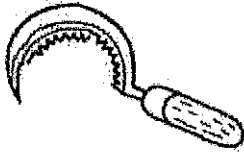
1. Name **one** natural source of water in the environment.

2. Give **one** way in which ringworm is spread.

3. State **one** reason why we should cut our fingernails short.

4. How is anemometer useful in weather forecasting?

The diagram below shows a garden tool. Use it to answer questions 5 to 7.



5. Name the garden tool shown in the diagram.

6. Give **one** use of the above garden tool to a farmer.

7. Suggest **one** way in which a farmer can care for the above garden tool.

8. State **one** way in which Ileum is adapted to food absorption.

9. Give **one** example of a hinge joint in the human body.

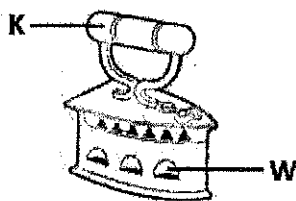
10. Why are windows put at a lower level than ventilators in a building?

11. Which term is used to mean the propagation of plants without using seeds?

12. State **one** use of gills to a mushroom.

13. Write down **one** way in which a Child's Health Card is useful to a School Health Committee.

Below is a diagram showing an item used in the homes. Study it carefully and use it to answer questions 14 to 16.



14. How is the item shown useful at home?

15. Write down the use of holes marked W.
-
16. State the reason why part marked K is made of wood.
-
17. Give **one** reason why you need to keep school farm records.
-
18. How is an echo similar to an image?
-
19. Rearrange the following organisms in a correct order of a food chain.
locusts —————> **bacteria** —————> **hen** —————> **grass**
-
20. State **one** structural difference between a white blood cell and a red blood cell.
-
-
-
21. Mention **one** place where kitchen wastes should be disposed.
-
22. Which part of a VIP latrine controls the spread of diarrhoeal diseases?
-
23. Give **one** way in which the use of solar electricity is friendly to the environment.
-
24. What causes kwashiorkor in children?
-
25. In which way are health parades important in Primary Schools?
-

The diagram below shows a method of seed dispersal. Use it to answer questions 26 and 27.



26. Identify the method of seed dispersal shown.
-
27. Mention **one** example of a seed dispersed as shown in the diagram.
-

28. How does heat from the sun reach the ground?

29. Give **one** way in which plants benefit from animals.

30. Write down **one** form of energy produced when splitting firewood with an axe.

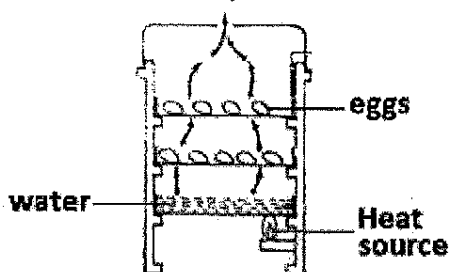
31. State **one** way in which mulching controls the growth of weeds in the garden.

32. State **one** importance of **PIASCY** message in the school compound.

33. Give **one** characteristic of sinking objects.

34. Write down **one** way of preparing seedlings in a nursery bed for the main garden conditions.

The diagram below shows an equipment used by modern poultry farmers. Use it to answer questions 35 and 36.



35. Name the poultry management equipment shown.

36. How is it useful to a poultry farmer?

37. Give **one** use of sand at home.

38. Which element of PHC enables couples to produce manageable children?

39. How are kidneys similar to the skin in function?

40. Why should farmers dry their harvested seeds before storage?

SECTION B: (60 MARKS)

41. The list below shows examples of resources. Study it and answer questions that follow.

Crude oil, Uranium, Coal, Mercury

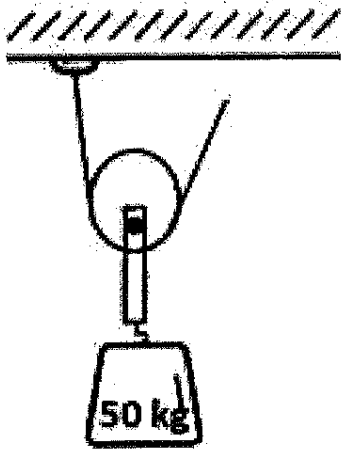
a) Name the type of resources shown in the list above.

b) Give **one** characteristic common to all resources in the list above.

c) From the list above, identify a fossil fuel.

d) State **one** way in which the above resources can be conserved.

42. The diagram below shows a pulley system. Study it carefully and answer questions that follow.



(a) Identify the type of pulley system shown.

(b) Use an arrow to show the direction of effort in the pulley system.

(c) Calculate the effort needed to raise load using the pulley system shown. (2 mks)

43.a) On which part of the leguminous plants are bacteria found?

b) How are bacteria in pit latrines useful?

c) Give **two** ways in which bacteria are harmful.

(i) _____

(ii) _____

44.a) Write down **two** advantages of breast feeding to a baby.

(i) _____

(ii) _____

b) State **two** conditions that lead to bottle feeding.

(i) _____

(ii) _____

45.a) What is meant by the term drug abuse?

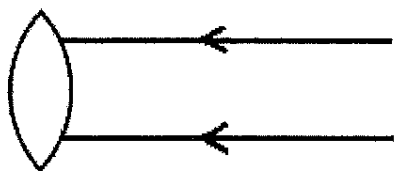
b) Mention **two** examples of commonly abused drugs.

(i) _____

(ii) _____

c) State any **one** piece of advice you can give to a person who is on drug abuse.

46. The diagram below shows parallel rays striking a type of lens. Use it to answer questions that follow.



(a) Name the type of lens shown in the diagram.

b) Complete the diagram by showing how the above lens affects light rays.

c) Write down **one** way of caring for our eyes.

47.a) What are warm blooded vertebrates?

b) Give **two** groups of warm blooded vertebrates.

(i) _____ (ii) _____

c) Apart from having backbones, give **one** other characteristic common to all vertebrates.

48.a) Give **two** reasons why burning of wood is a chemical change.

(i) _____

(ii) _____

b) Apart from burning, mention **one** other chemical change.

c) State **one** way in which chemical changes are important in the environment.

49.a) Name exotic breed of rabbits.

b) Give **one** advantage of keeping exotic breeds of rabbits over local breeds.

c) Why should a rabbit hutch be;

(i) made of wire mesh? _____

(ii) raised above the ground? _____

50.a) Give **two** ways in which umbilical cord is important to a baby in the womb.

(i) _____

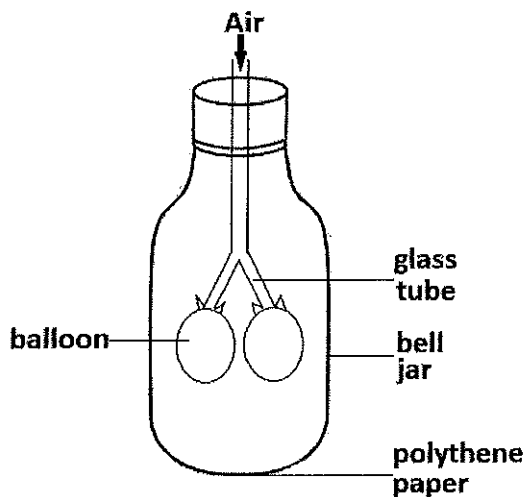
(ii) _____

b) Suggest any **two** things a pregnant woman must do to promote the health of her baby in the womb.

(i) _____

(ii) _____

51. The diagram below shows the way in which one of the systems of the human body works. Use it to answer questions that follow.



(a) Name the system illustrated in the diagram.

(b) What does the balloon and polythene paper represent?

(i) balloon _____

(ii) polythene paper _____

(c) What would happen to the polythene paper if air filled the balloons?

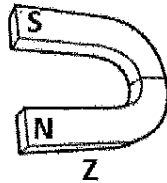
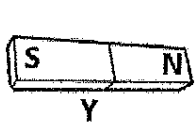
52.a) Mention **one** way in which intestinal worms get into our bodies.

b) Give **two** things intestinal worms feed on in the human body.

(i) _____ (ii) _____

c) State **one** effect of worm infestation to the children.

53. Below are two different kinds of magnets. Study and use them to answer questions that follow.



(a) Name the magnets marked Y and Z.

(i) Y _____

(i) Z _____

b) Identify **two** ways through which magnets can be demagnetized.

(i) _____

(ii) _____

54. Match the diseases in List A to the respective animals they affect in List B.

A:

B:

a) Rabies

cattle

(a) Rabies _____

b) Newcastle

dogs

(b) Newcastle _____

c) African swine fever

fowls

(c) African swine fever _____

d) Rinderpest

pigs

(d) Rinderpest _____

55.a) Why is it important to feel the pulse (heart beat) of a seriously injured casualty?

b) What should a small girl or boy do when her or his older sister falls into water?

c) Why is it not advisable to cause a victim who has swallowed paraffin to vomit it?

d) State **one** reason for giving First Aid to accident victims.