



KAMPALA PRIMARY SCHOOLS HEADTEACHERS'
EXAMINATIONS COMMITTEE (KAPSHA)
PRIMARY SEVEN PRE-MOCK EXAMINATIONS 2024
INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

Random No.						Personal No.		

Candidate's Name: _____

School: _____

Division: _____ School No:

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

Read the following instructions carefully.

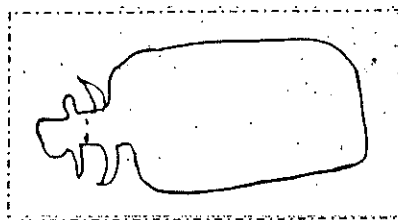
1. This paper is made up of two sections:
A and B
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer ALL questions in both sections **A** and **B**
5. ALL answers **MUST** be written in Blue or Black
Ball - point pen or ink
6. Un-necessary alteration of work may lead to
loss of marks.
7. All diagrams **MUST** be drawn in pencils.
8. Any handwriting that cannot be easily read may
lead to loss of marks.
9. Do **not** fill any thing in the boxes shown
"For Examiner's use only".

**FOR EXAMINER'S USE
ONLY**

QN. NO.	MARKS	SIGN
1 - 10		
11 - 20		
21 - 40		
41 - 45		
46 - 50		
51 - 55		
TOTAL		

SECTION A

1. Name any one component of soil.
.....
2. Give the importance of a vent pipe on a VIP latrine.
.....
.....
3. How is a fuse similar to a switch in terms of function?
.....
.....
4. Why do most poultry farmers include snail shells and crushed fish bones in poultry feeds?
.....
.....
5. Give one way in which gap filling is important in crop management.
.....
.....
6. State any one cause of natural changes in our environment.
.....
.....
7. Give one way magnets are important to a doctor.
.....
8. Why does the government encourage parents to take their children for immunization free of charge?
.....
.....
9. Name any one physical process involved in the rain cycle.
.....
10. **Below is a diagram showing the body conformation in cattle. Use it to answer the question that follows.**



- Name the main product got from the animal with the above body shape.
.....
11. Where does digestion of fats start in the alimentary canal of man?
.....

12. State any one role of a sterile bee in a hive.

13. Give one way of reproducing stored sound.

14. How are animals wastes used as energy resources in our environment?

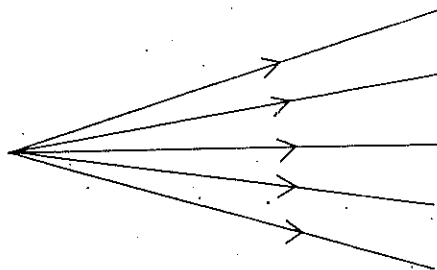
15. State one way road construction increases friction on the surface of roads.

16. Why would you classify a goat under ruminant animals?

17. Give one way the spread of conjunctivitis/red eyes can be controlled in our communities.

18. A boy switched on a torch and it gave light for some time, after a while, a torch went off. Give any one reason why the torch went off.

Below is a diagram showing a beam of light. Use it to answer question 19.



19. Name the type of beam shown above.

20. How are conifers similar to passion fruits in terms of reproduction?

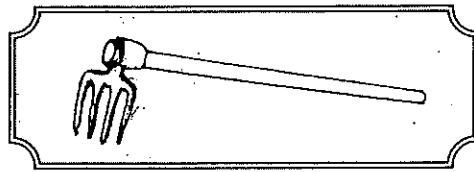
21. How does one get infected with hookworms?

22. Give the role of oxygen to a germinating seed.

 23. State **one** way in which the skin regulates body temperature in cold weather.

 24. Name the activity carried out by farmers to prevent piglets from injuring the teats of the sow.

The diagram below is of a garden tool. Use it to answer questions 25 and 26.



25. Name the garden tool drawn above.

 26. How is the above garden tool useful to crop farmers?

 27. Where in the human body does respiration takes place?

 28. How does slashing of tall grass around homes help to control the spread of malaria?

 29. Name the blood vessel that carries blood rich in digested food from the ileum to the liver.

 30. Give **one** disadvantage of having very many children in a family.

 31. How does a cork of a thermos flask help to control heat loss?

 32. State **one** importance of seed dispersal to plants.

33. State the function of synovial fluid in movable joints.

.....
.....

34. State **one** basic change in adolescent boys.

.....
.....

35. Why are electric wires fixed loosely on poles during construction?

.....
.....

36. How does smoking of tobacco cause lung cancer?

.....
.....

The diagram below is of a tooth. Use it to answer the question that follows.



37. How is the above tooth adapted to its function?

.....
.....

38. In which way does painting of metals help to control rusting?

.....
.....

39. State **one** condition in which a mother can be vulnerable.

.....
.....

40. State **one** way of promoting proper sanitation in a classroom.

.....
.....

SECTION B

41. a) Mention **one** method of obtaining clean water.

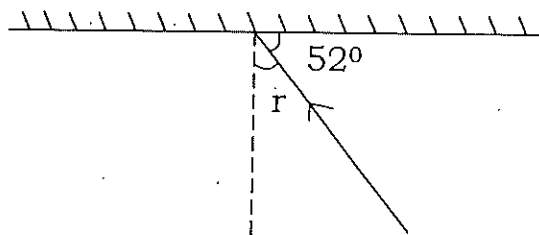
b) Give any **two** examples of water impurities.

i)

ii)

c) Why is distilled water not recommended for drinking?

42. **Study the diagram below about reflection of light to answer questions that follow.**



a) Complete the diagram correctly by drawing the missing ray.

b) Which type of reflection is illustrated above?

c) Calculate the size of angle **r** in degrees.

d) State any **one** law of reflection of light.

43. a) Mention **one** example of essential drugs.

b) Give **one** factor considered when prescribing drugs.

c) State **one** danger of buying drugs from retail shops.

d) Give **one** life skill of avoiding drug abuse.

44. Match parts of the skeleton below to the organs they protect correctly.

Part of skeleton

Organ protected

- a) Vertebral column
- b) Skull
- c) Ribcage
- d) Pelvis

lungs and heart
reproductive organs
spinal code
brain

- a) Vertebral column
- b) Skull
- c) Ribcage
- d) Pelvis

45. Use the list of organisms below to answer the questions that follow.

Bacteria

rabbit

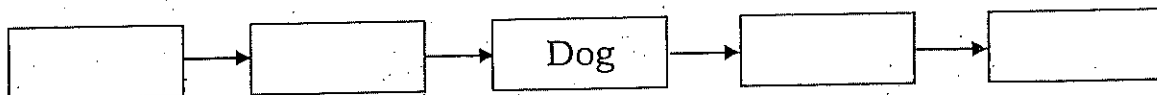
groundnuts

dog

a) Identify the following from the above list.

- i) Producer;
- ii) Secondary consumer

b) Use the above organisms to complete the illustration below correctly.



c) How does the dog benefit from groundnuts in the above illustration?

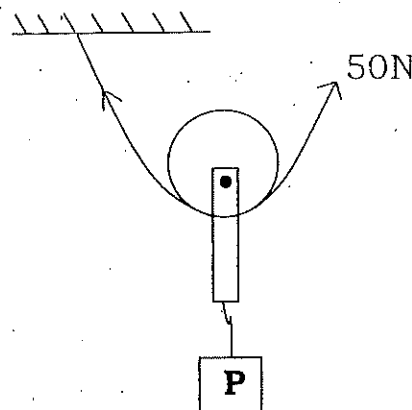
46. a) Name the type of digestion which takes place in the mouth.

b) By what process does food move through the alimentary canal?

c) How are enzymes important in food digestion?

d) State one way of controlling constipation.

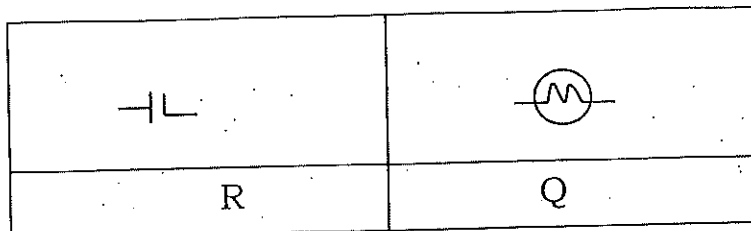
47. The diagram below is of a pulley. Use it to answer questions that follow.



- a) Identify the type of pulley shown above.
.....
- b) Workout the load at **P**. (2marks)
.....
- c) State any one use of pulleys at school.
.....
.....
48. a) Write **P.H.C** in full.
.....
- b) Mention two elements of P.H.C.
i) ii)
- c) State one role of a family in promoting P.H.C.
.....
.....
49. a) Name the part of the female reproductive system where the following take place;
i) Fertilization
ii) Implantation
- b) Besides production of ova, give one other function of ovaries in the female reproductive system.
.....
.....

- c) State one way of caring for the female reproductive system.

50. The diagrams below show parts of an electric circuit. Use it to answer questions that follow.



- a) Name the parts of an electric circuit represented by;

i) **R** ii) **Q**

- b) State the energy change that takes place at “**R**” when the circuit is complete.

- c) How does use of electricity help to conserve trees in the environment?

51. a) Name one exotic breed of rabbits kept in Uganda.

- b) State one reason why farmers rear rabbits in Uganda.

- c) Name the disease of rabbits that attacks poultry.

- d) Why do farmers construct rabbit hutches with a wire mesh?

52. a) State one difference between mass and weight in terms of units.

- b) Mention the two states of matter that transfer heat by convection.

i) ii)

- c) Name the method used to find volume of irregular objects.

53. a) What are non-renewable resources?

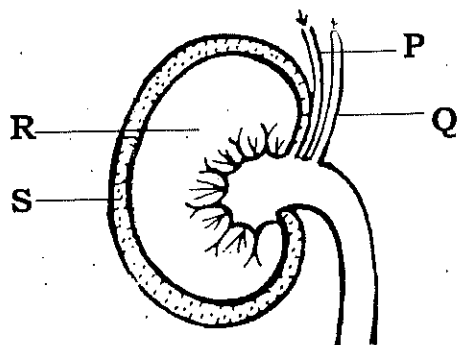
b) Mention **one** example of a non-renewable resource.

c) State **two** ways of conserving fossil fuels as non-renewable resources.

i)

ii)

54. The diagram below shows a human kidney. Study it and answer questions that follow.



a) Name the part marked **R**.

b) How is blood carried by blood vessel **P** different from that of blood vessel **Q**?

c) State the important process that takes place at part **S**.

d) Give **one** way of caring for the human kidney.

55. a) What is *personal hygiene*?

b) State **one** way in which a primary seven child can promote personal hygiene.

c) What is the importance of a tooth brush in promoting oral health?

d) State **one** danger of poor personal hygiene.

*** GOOD LUCK ***