



**KAMPALA
INTEGRATED PRIMARY
SCHOOLS SELF HELP
EXAMINATIONS BOARD**

INTEGRATED SCIENCE

DURATION: 2 HOURS 15 MINUTES

INDEX NUMBER	EMIS NUMBER						PERSONAL NUMBER		

Name:

School:

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. Answers to both sections must be written in the spaces provided in full sentences.
3. Section **A** has **50** questions (40 marks)
4. Section **B** has **5** questions (60 marks)
5. **Attempt ALL questions.** All answers to both Sections A and B **MUST** be written in the spaces provided
6. ALL answers must be written in blue or Black ball point or ink. Only diagrams And graphs work must be done in pencil
7. Unnecessary alternations of work will lead to loss of marks.
8. Any handwriting that cannot be easily Read may lead to loss of marks.

FOR EXAMINERS USE ONLY

[illegible]

SECTION A

1. Name any one type of poultry.

2. Give any one reason for giving first aid to casualty.

3. Where does fertilization take place in the female reproductive system?

4. How is a swim bladder important in a life of a fish?

5. Mention any one type of skeleton.

6. Why is it not advisable to provide a lid to a convection pit latrine?

7. Name the main natural source of water in the environment.

8. Opio's sister is 4 years old. What type of fracture will she get when she falls down from the bed?

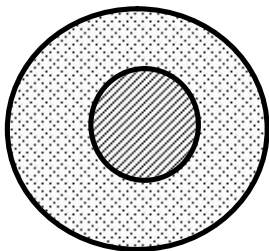
9. State the importance of moulting to organisms with an exoskeleton.

10. Give a reason why distilled water is not good for drinking?

11. Why is it advisable to cut the umbilical cord of a bay with a sterilized instrument during birth?

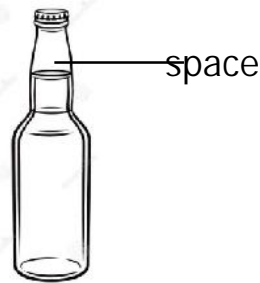
12. Name the deficiency disease prevented by eating cassava, sweet potatoes and rice at home.

13. Mention the component of blood shown below.



14. State any one component of the muscular skeleton system.

15. The diagram below is of a sealed soda bottle.



What is the advantage of the space left in the bottle of soda above?

16. Name the respiratory disease spread to human through drinking unboiled milk.

17. How is a spiral wall important on a VIP latrine?

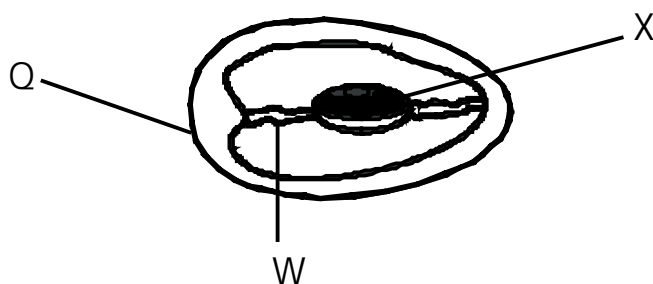
18. What is first aid?

19. Why are petals of some flowers brightly coloured?

20. Name the body organ where gaseous exchange take place.

21. Mention any one natural family planning method.

Use the diagram of an egg to answer questions 22 and 23.



22. Name the part marked W.

23. Why is part marked Q porous?

24. State any one role of young farmer's club at school.

25. Mention any one physical process that involves in distillation method.

26. Name the instrument used to detect mastitis in milk.

27. Why are triceps and biceps called antagonistic muscles?

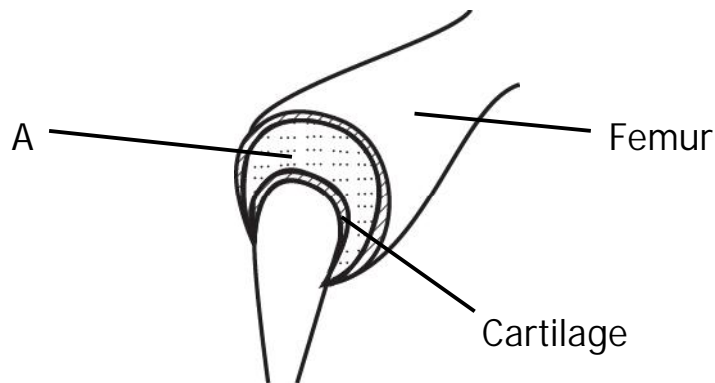
28. What type of soil would Nelly's father used to make glasses at home?

29. In which one way are reptiles similar to birds in terms of reproduction?

30. State any one way of keeping our school compound clean.

31. Why is BCG and Polio vaccine given to babies at birth?

Below is a diagram of a certain joint. Use it to answer questions 32 and 33



32. Name the type of joint shown above.

33. Of what importance is the fluid marked with (A) above to a joint?

34. State the component of air that supports both burning and rusting of metals.

35. Why are drums always exposed to sunshine before they are played?

36. State any one cause of dehydration.

37. How is breast feeding help in family planning?

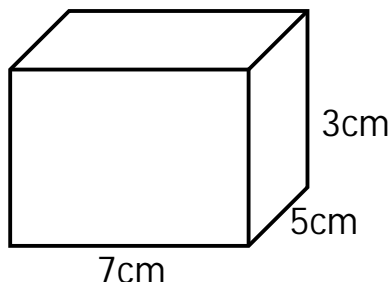
38. Which property of air enable Kato's father to inflate the air in his inner bicycle tube?

39. Name the chemical change that takes place in bodies of animals.

40. What is the difference between incubation and incubation period?

SECTION B (60 marks)

41a) The diagram below is of a cuboid. Use it to answer questions that follow.



a) Calculate the volume of the cuboid above.

b) If the mass of a cuboid is 315g. Find the density of the cuboid.

42. Apart from wind, give any two agents of pollination in flowering plant

a) Manufacture of food

i). _____

ii). _____

b) absorbs dissolved mineral salt and water.

i). _____

ii). _____

43. Give the function of the following parts of a skeleton

i) rib cage

ii) tendon

b) State any two pieces of advice you give to someone to maintain the skeletal system in a proper working condition.

i) _____

ii) _____

44a) Give any one reason why the government of Uganda gives people mosquito nets free of charge.

- b) Give any two diseases controlled by proper use of mosquito nets at home
- i) _____
- ii) _____
- c) Which stage of a mosquito is affected by draining away stagnant water?
- _____

45. Noline got burnt by hot milk and blisters were formed on her foot.

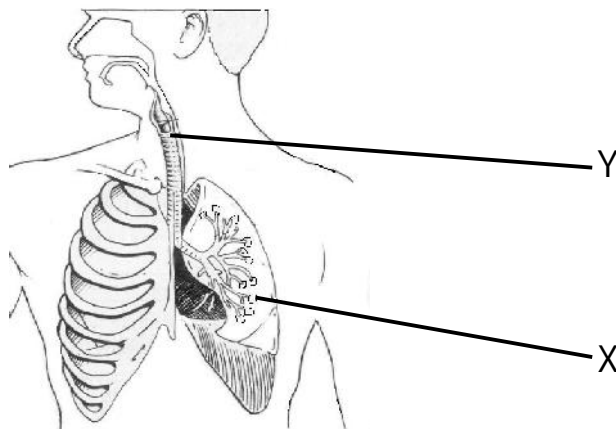
a) Name the degree of burn Noline got on her foot.

b) What first aid can you give to Noline to reduce pain?

c) Why is it not advisable to burst the blister that were formed on her foot?

d) name the most severe degree of burn where the skin is burn deeply.

46. The diagram below is a respiratory system. Use it to answer the questions that follow.



a) Name the parts marked with letter X and Y

i). X _____ ii). Y _____

b) Which process take place in part marked X

c) What helps part marked Y to keep open all the time

47a) What is electricity?

b) Name any two types of electricity.

i) _____

ii) _____

c) Name any one way of preventing electric shock

48a) Give two secondary sex changes that occur in both boys and girls

i) _____

ii) _____

b) How is the ovaries of the female reproductive system similar with ovary of a flower in term of reproduction?

c) Which part of the male reproductive system stores produced sperms?

49a) What is the difference between magnetism and a magnet?

b) Name any two examples of natural magnets.

i) _____

ii) _____

c) State any one property of a magnet.

50. The table below shows immunizable diseases vaccine administered and the age at which immunization take place. Complete it correctly.

Disease	Vaccine	Age
Measles	i) _____	9months
ii) _____		At birth
		iii) _____
Hepatitis B	iv) _____	6weeks

51. Name the organ of respiration in the following organisms

i) Spider _____

ii) earthworm _____

b) Write any two diseases of respiratory system.

i) _____

ii) _____

52a) How do we understand by term fainting.

b) What is the cause of fainting in human being?

c) Give any two conditions that lead to fainting.

i) _____

ii) _____

53. Match list A to list B correctly.

List A List B

Lizard

mammals

Newts

birds

Rabbits

reptiles

Penguin

amphibians

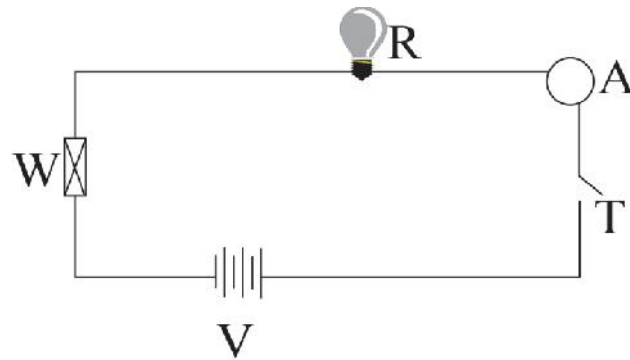
i) Lizard _____

ii) Newts _____

iii) Rabbits _____

iv) Penguin _____

54. Use the diagram of an electric circuit to answer the following question.



a) Name the parts marked T

b) Mention any form of energy produced at part mark R

c) Give the function of part marked S.

d) Use an arrow to show the direction of current in an electric circuit.

55a) Name any one animal fibre got from goats.

b) Mention any two examples of goat mainly kept for milk production.

i) _____

ii) _____

c) State any one system of rearing pigs.

The End