

KABALE MUNICIPAL COUNCIL

DEPARTMENT OF EDUCATION & SPORTS

PRIMARY LEAVING MOCK EXAMINATION 2023

INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

Index No.

Random No						Personal No		

CANDIDATE'S NAME:.....

CANDIDATE'S SIGNATURE.....

EMIS No:.....

SCHOOL NAME:.....

DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully;

1. The paper has **two** Sections: **A** and **B**.

Section **A** has **40** questions and Section **B** has **15** questions.

2. Answer all questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
3. All answers must be written using **blue** or **black** ball-point Pen or ink. Only diagrams and graphs work may be done in pencil. Any work written in pencil will **not** be marked.
4. Unnecessary alteration of work will lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do **not** fill anything in the boxes indicated "**For examiners'** use only and those inside the question paper

FOR EXAMINER'S USE ONLY		
Qn. No	MARKS	EXR'S No
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

QUESTIONS 1 – 40 CARRY ONE MARK EACH.

1. Give any one example of a wading bird.

.....

2. State the animal product used in leather industry.

.....

.....

3. Name any one property of matter.

.....

.....

4. State the part of the human eye that works like the shutter of a camera.

.....

.....

The diagram below shows a garden tool. Use it to answer questions 5 and 6.



5. Name the garden tool above.

.....

6. How is the garden tool above important to farmers?

.....

.....

7. Which deficiency disease is caused by lack of vitamin C in children's diet?

.....

.....

8. Why is water obtained by distillation method not good for drinking and yet is free from germs?

.....

.....

9. What plant system does the plumule make when it grows?.

.....

.....

10. How does leaching reduce soil fertility?.

.....

.....

11. Why is it advisable to leave the pit of VIP latrine open?

.....

.....

12. Name the cattle disease whose sign is a swollen and painful udder.

.....

.....

13. In which part of the female reproductive system does fertilization take place?.

.....

.....

14. How is the function of stomata in a leaf similar to that of gills of a fish?

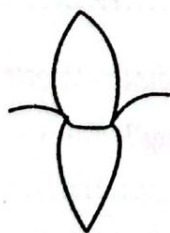
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15. Which component of soil is used by plants to make their own food ?

.....

16. The diagram below shows a type of tooth in humans.



How is the tooth above adapted to its function?

.....

.....

17. Which structures enable the trachea to remain open all the time?.

.....

18. State any one way in which friction in moving parts of a machine can be reduced?.

.....

.....

19. Mention any one characteristic of images formed by plane mirrors.

.....

.....

20. Why do people installing electricity wear rubber gloves?

.....

.....

21. How is the propagation of Irish potatoes different from that of sweet potatoes?.

.....

22. Apart from running windmills, give one other way wind is used as an energy resource.

.....

.....

23. Which type of soil has smooth and small particles?

.....

.....

24. In which state of matter does heat travel fastest?

.....

.....

25. To which class of levers does a wheel barrow belong?

.....

.....

26. Apart from labour, give one other requirement for starting a live stock farm.

.....

.....

27. What kind of accident requires the use of splints in giving first aid?

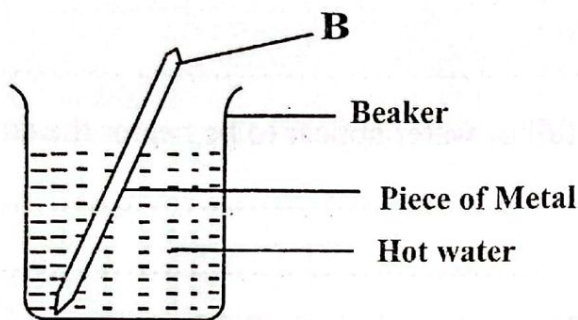
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28. Which sexually transmitted disease can cause blindness in babies?

.....
.....

29. The diagram below shows a piece of metal dipped in a beaker containing hot water.

Use it to answer the question that follows.



How does part B become hot and yet it is not in the hot water?

.....
.....

30. Which condition in babies is shown by sunken soft spot on the baby's head?

.....
.....

31. How is sun drying helpful in the preservation of food crops?

.....
.....

32. Which mineral helps in the formation of red blood cells in the human body?

.....
.....
.....

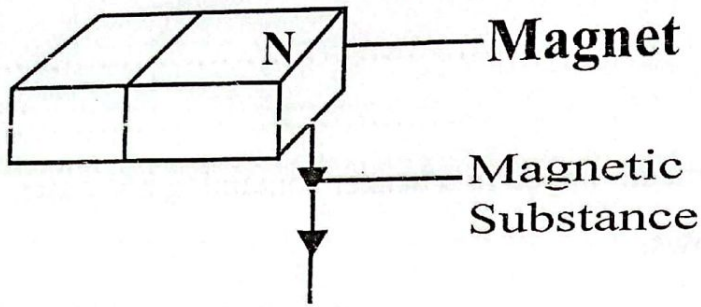
33. Apart from melting, state any one other physical change that takes place in the presence of heat.

.....
.....

34. Name any one disease that affects both rabbits and poultry birds.

.....

35. Name the method of making a magnet shown in the diagram below.



.....

36. Why does a coin thrown in a basin full of water appear to be nearer the surface?

.....

.....

37. How is reproduction of a whale different from that of a fish?

.....

.....

.....

.....

.....

38. State any one advice you would give to a person who suffers from indigestion.

.....

.....

39. Why does paraffin settle on top when mixed with water?

.....

.....

.....

40. Which disease is spread to humans by rats?

.....

SECTION B (60 MARKS)

QUESTIONS 41 – 55 CARRY FOUR MARKS EACH

41.a) To which class of vertebrates do toads belong?

.....

b) Give one way in which the breathing of a toad is different from that of a tad pole.

.....

c) State any two ways in which the jelly around the eggs of toads is important.

(i).....

(ii).....

42. a) Give any two ways in which alcohol is used in hospitals.

(i).....

(ii).....

b) State any two effects of alcoholism to an individual.

(i).....

(ii).....

43.(a) What kind of food is made by green plants during photosynthesis?

.....

(b) State any one raw material used by green plants for photosynthesis.

.....

(c) How is chlorophyll important during the process of photosynthesis?

.....

.....

.....

(d) Give one reason why photosynthesis does not take place at night.

.....

.....

44.(a) What type of change takes place when an iron tool rusts?

.....

(b) Give two conditions necessary for rusting to take place.

(i)

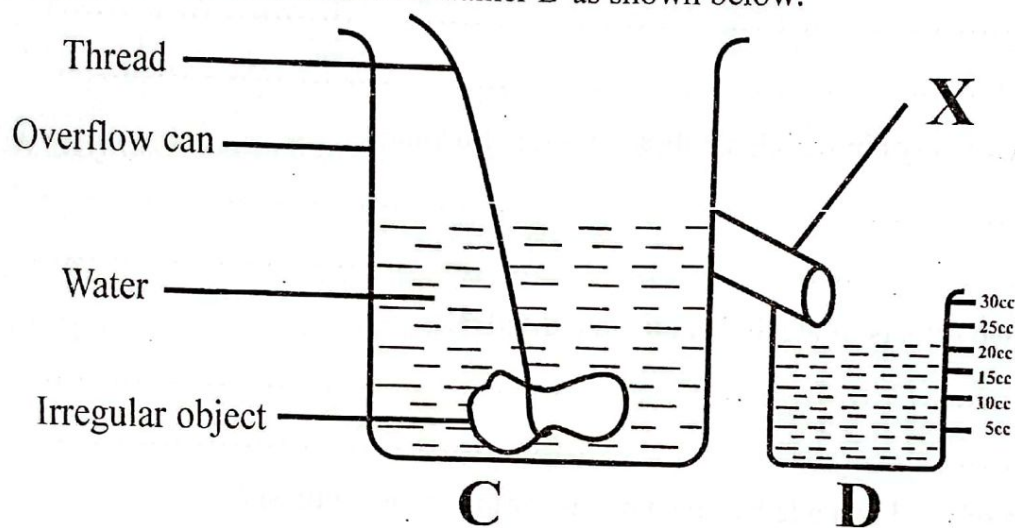
(ii).....

(c) State any one effect of rusting on iron tools.

.....

.....

45. An irregular object was lowered into an overflow C containing water. The water displaced was collected in container D as shown below.



(a) What is the volume of the irregular object?

(b) Name the part marked X in the diagram above.

.....

(c) Calculate the density of the irregular object if its mass is 60g.

46. (a) Name the human body organ where each of the following takes place.
- (i) Filtration of blood.....
- (ii) Blood gets oxygen while carbon dioxide is removed.
-

(b) Give the use of the following components of blood in the body.

(i) White blood cells.

.....

(ii) Blood platelets.

.....

47.(a) Name any one type of pollination in flowering plants.

.....

(b) Write any two living agents of pollination.

(i).....

(ii).....

(c) What happens to the stigma when pollen grains fall on it?

.....

.....

48. The table below shows source of food, the food nutrient in it and the related deficiency disease. Complete it correctly

Source	Food Nutrients	Deficiency disease
(i) Morning sunshine	Vitamin D
(ii) Beans	Kwashiorkor
(iii)	Vitamin A	Night blindness
(iv) Iodised salt	Iodine

49. (a) Write P H C in full.....

.....

(b) State the element of Primary Health Care which is promoted by each of the following activities;

(i) Clearing bush around a home.

.....

(ii) Feeding on a balanced diet:.....

.....

(iii) Giving drops of polio vaccine to a child

.....

50. (a) What is the difference between a burn and a scald?

.....

.....

(b) Why should drugs be kept out of reach of children?

.....

.....

(c) How important is an arm sling when giving first aid?

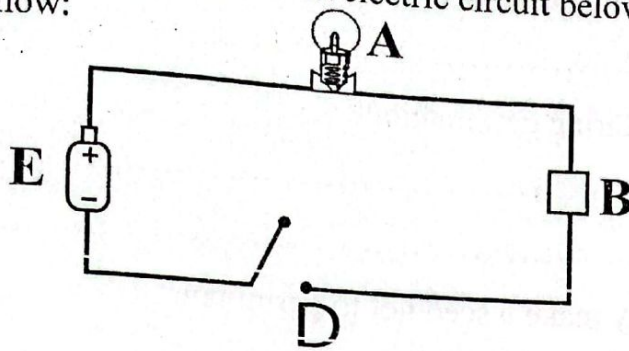
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(d) Name the structure that holds a bone to a another bone in a joint.

.....

51. Study the diagram of an electric circuit below and use it to answer questions that follow:



(a) Name the parts marked

(i) A

(ii) B

(b) State the energy change that takes place at E when D is closed.

.....

(c) Give any one form of energy produced at A when D is closed.

.....

.....

52. Match the animals in A with their respiratory organ in B

A

Tilapia

Mosquito

Spider

Dog

B

Book lungs

Lungs

Gills

Spiracles

(i) Tilapia

(ii) Mosquito.....

(iii) Frog.....

(iv) Dog

53. (a) What is germination?.....

.....

.....

(b) Name the type of germination common in cereal crops

(c) How important is warmth during germination?

(d) State any one factor that may make a seed not to germinate.

54.(a) Who is an apiarist?

(b) How important is a queen excluder in a modern bee hive?

(c) Name the larva stage of a bee.

(d) Mention the food that is given to a queen bee.

55.(a) State any one similarity between sound and light.

(b) Name the units in which sound is measured.

(c) Mention any two factors that affect the pitch of sound.

(i).....

(ii).....

-END-