



KIBOGA DISTRICT ACADEMIC COMMITTEE EDUCATION DEPARTMENT.

PRE - MOCK INTEGRATED SCIENCE - 2024

DURATION : 2 HOURS 15 MINUTES

| Random No. | | | | | Personal No. | | |
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Name: Stream:

DISTRICT ID

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

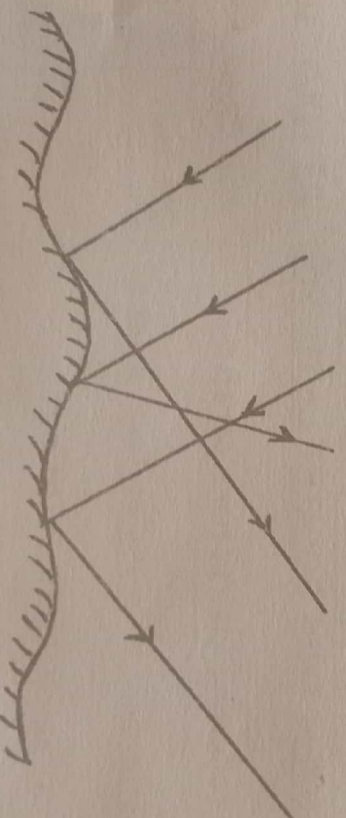
Read the following instructions carefully

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 question (60 marks)
4. Attempt ALL questions. All answers to both Section A and B Must be written in the spaces provided.
5. ALL answers must be written in blue or black ballpoint or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked
6. Crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks.

| FOR EXAMINERS USE ONLY | | |
|------------------------|------|------|
| QN. NO. | MARK | SIGN |
| 1 - 10 | | |
| 11 - 20 | | |
| 21 - 30 | | |
| 31 - 40 | | |
| 41 - 43 | | |
| 44 - 46 | | |
| 47 - 49 | | |
| 50 - 52 | | |
| 53 - 55 | | |
| TOTAL | | |

SECTION 'A'

1. A part from beans, give any one example of a flowering plant that belongs to dicotyledonous plant.
2. Name the type of electricity where changes do not move.
3. Give one way in which termites benefits from the soil.
4. In which one way is a spur useful to a domestic fowl.
5. Mention any one living source of light in the environment.
6. The diagram below shows reflection of light study it carefully and use it to answer questions 6.



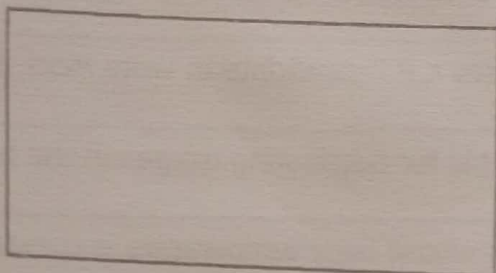
What type of reflection is shown above?

7. Besides charcoal, name any other source of fuel got from trees.
8. State one way in which alcoholism affects the family.
9. State one reason why animals make sound.
10. Name the process by which water turns into ice.
11. In which one way does tooth paste promote oral health?
12. State one physical change that takes place during the process of distillation of alcohol.

13. Name the type of bee with well-developed ovipositors.

14. Why does a nail sink in water?

15. In the space below draw and name a garden tool used for pruning.



16. What type of beam is produced by a working torch while in use?

17. Which activity in cleaning of clothes prevents colour stains in light coloured clothes?

18. Why should people use biogas for cooking other than firewood?

19. How is a reflected sound important to flying mammals?

20. Identify the molluscs that spreads Bilharziasis.

21. How is burning bushes a dangerous activity to animals?

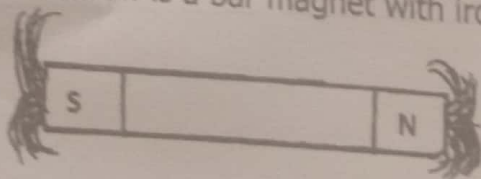
22. Give one common sign of flu to people.

23. State any one way in which the spread of germs can be controlled.

24. In which one way are the teeth of a dog adapted to their feeding habits.

25. A part from germination, mention any other process that make the use of oxygen in plants.

26. The diagram below is a bar magnet with iron fillings at ends.



Which property of magnets is shown above in the diagram?

27. Which vaccine is administered to babies at nine months?

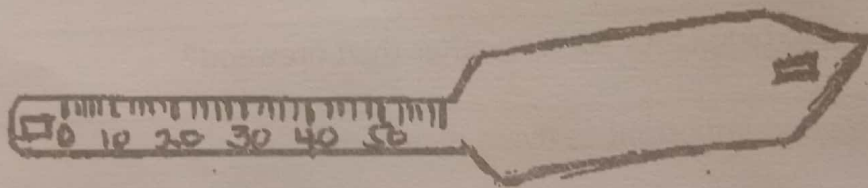
28. Name the organ which regulates the body temperature.

29. Identify the type of force that enables a P.7 candidate to write Mock Examinations.

30. Which blood component is responsible for distributing oxygen in the body?

31. Name any one group of vertebrates whose body temperature is constant.

The diagram below is of a farm tool, study it carefully to answer questions 32 and 33.



32. Name the farm tool drawn above.

33. State the importance of the above tool named in 32 above.

34. Which group of organisms in a food chain helps to decompose organic matter?

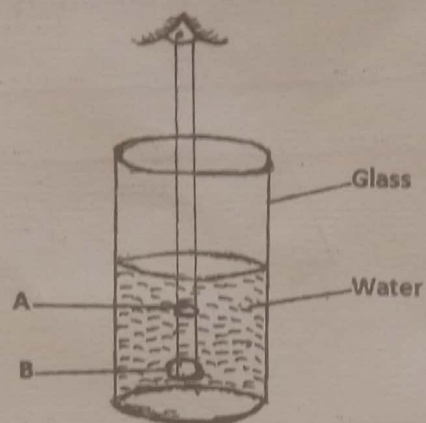
35. Name the disease that attacks both poultry and rabbits.

36. Give one principle of PHC.

37. How is sisal and Banana similar in terms of propagation?

38. Apart from curing diseases, give one characteristics of essential drugs.

The diagram below shows an object in a glass of water.



39. Why does the object seem to appear at A yet it is at B.

40. State one characteristic of seeds dispersed by Wind.

SECTION 'B' (60MARKS)

41. (a) Which term describes the conditions when one is unable to visit the toilet and pass out faeces.

(b) Give the main cause of the condition mentioned in (a) above.

(c) Suggest two ways of controlling the condition mentioned in (a) above.

(i) _____

(ii) _____

42. (a) Name the reproductive cells in mammals.

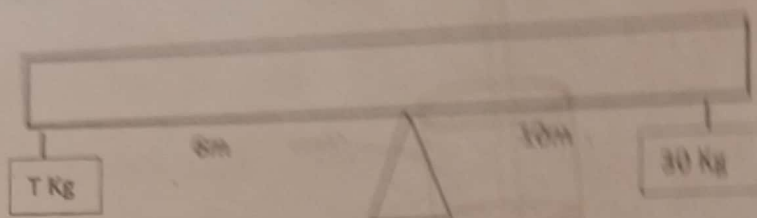
(i) _____

(ii) _____

(b) What is the importance of the placenta?

(c) Where does fertilization occur in mammals?

43. Below is a diagram of a machine that it is used to lift and answer questions that follow.



(a) Name the machine above.

(b) Find the value of T in kg.

44. (a) Give any two signs to show that the baby is dehydrated.

(i) _____

(ii) _____

(b) State two pieces of advice to a mother whose baby is dehydrated.

(i) _____

(ii) _____

45. (a) Match the following items in **A** with their meaning in **B** as related to Accidents and First Aid.

A

B

(i) Convulsions

Use of warm compress to reduce body temperature

(ii) Fainting

Dying as a result of lungs being filled with water.

(iii) Tepid sponging

Involuntary jerky or shaky movement of the body

(iv) Drowning

A brief loss of consciousness

(i) Convulsions _____

(ii) Fainting _____

(iii) Tepid sponging _____

(iv) Drowning _____

46. (a) Write down two causes of soil erosion.

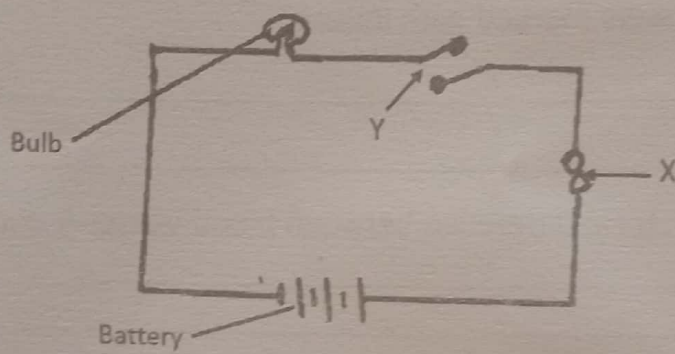
(i) _____

(ii) _____

(b) Which agent of soil erosion causes gullies?

(c) How does mulching help to control soil erosion?

47. The diagram below is of a simple electric circuit. Use it carefully and answer the questions that follow.



(a) Name the parts marked;

(i) X _____

(ii) Y _____

(b) What will happen to the bulb when Y is closed?

(c) Calculate the voltage in the circuit.

48. Use the list of crops given below to answer the questions that follow.
Conifers, coffee, cassava, Ground nuts.

(a) Which crop on the list is propagated by stem cuttings?

(b) Identify any one crop on the list which is

- (i) Annual crop _____
(ii) Perennial crop _____
(c) Give any one way in which a conifer is different from the list above.

49. The diagrams below are blood vessels. Use them to answer questions that follow.



(a) Name the blood vessels marked with letters.

A _____

B _____

(b) State any two structural difference between blood vessel A and B

(i) _____

(ii) _____

50. (a) Mention any two artificial vegetative propagation methods.

(i) _____

(ii) _____

(b) Give any two advantages of vegetative propagation methods.

(i) _____

(ii) _____

51. (a) Write two methods of heat transfer.

(i) _____

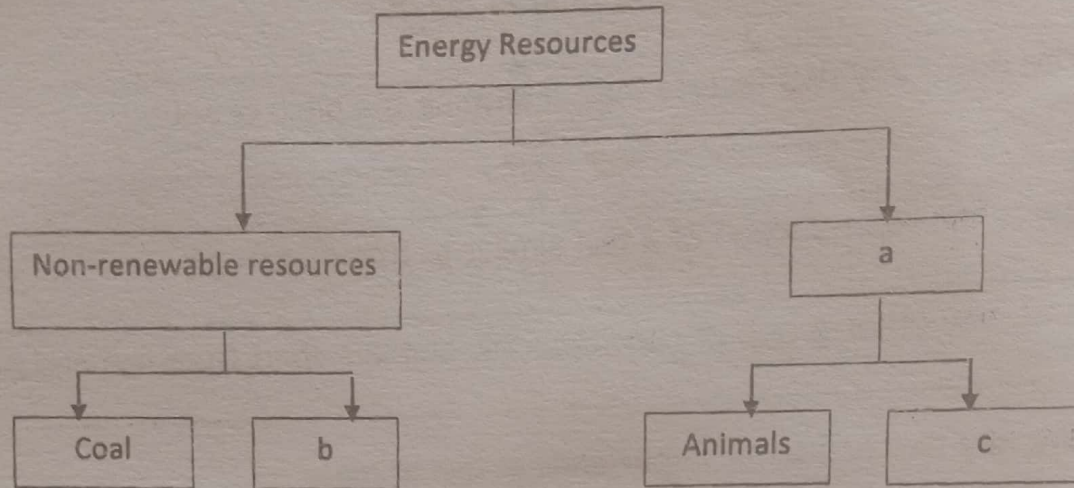
(ii) _____

(b) State any two effects of heat on matter.

(i) _____

(ii) _____

52. The table below shows classification of resources. Study it carefully and answer the questions that follow.



(a) Name the resources marked

- (i) a _____
 (ii) b _____
 (iii) c _____

(b) Give any one example of an animal as a resource that can be used as transport in a desertic country.

53. (a) Name any two long bones in the human Skeleton.

- (i) _____
 (ii) _____

(b) What name is given to the joint at the knee.

(c) In which one way is friction reduced at the joint.

54. Study the diagram below of musical instruments and use them to answer the questions that follow:



(a) Which of the above drums will produce the lowest pitch.

(b) Give a reason to support your answer above.

(c) Write down any two factors that determine the pitch of sound.

(i)

(ii)

55. (a) How is the reproduction of a fish similar to that of a frog?

(b) Name any other group of poikilothermic animals apart from fish and Amphibians.

(c) State any two economic importance of fish to man.

(i)

(ii)

END